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ARBORETUM COMMITTEE MINUTES

1942 -- 1966

(25 years)

MINUTES OF THE MEETING OF THE UNIVERSITY OF WISCONSIN ARBORETUM COMMITTEE, OCT. 2, 1942

Following the University Club luncheon, the business meeting of the University of Wisconsin Arboretum Committee was adjourned to the Library, Chairman A. F. Gallistel presiding. Those present were: John Catenhausen (Arboretum biologist), John Curtis, J. G. Dickson, A. F. Gallistel, E. M. Gilbert, Arthur Hasler, J. W. Jackson, Aldo Leopold, M. E. McCaffrey, F. B. Trenk, George Wagner, G. W. Longenecker.

The meeting was called to order by Chairman Gallistel. He told the Committee that the CCC buildings at the Arboretum had been turned over to the Army and that they had taken the flag pole.

Mr. Longenecker was asked for a report on Arboretum activities since the last meeting.

He stated that it has been considerable of a problem keeping a crew of men, with the scarcity of men and the high competing wages being paid. A couple of men were let go because of inefficiency, and a number left because of better pay. The crew varied from five to eight men most of the summer.

In addition to maintenance, the crew has done some planting this spring, summer, and fall. Additions were made to the plantings at the Ho-Nee-Um area to the east of the Council Ring and near the road in the Arboretum Arborvitae area and at the Olbrich entrance.

Additions were made this spring and summer to the Oak woods wildflower trail and wildflower nursery and to the prairie and prairie trail. An extension was made to the former prairie trail this summer, and so it is now possible to go by trail to the fenced Tamarack area and also through the Juniper area connecting with the trail to the double shelter.

Mr. Longenecker stated that it has been a problem keeping up with the grass on the mowed areas and with the weeds in the cultivated beds and in the nursery. The proportion of time spent in these activities has been greater this year due to optimum growing conditions.

Power equipment is needed to facilitate maintenance and research. A tractor, with attachments, or a rototiller should be available if labor is to be used to the greatest advantage.

The duck pond was left in bad condition at the time the CCC Camp went out. The wall and planting just to the north of the pond had just been removed preparatory to putting in a parking area and relieving the cramped conditions to the north of the pond. This disturbed area was a mass of giant ragweed and an eyesore all summer. Therefore, it has been graded and seeded to grass and the borders toward the street planted, again giving privacy and protection to the pond area and a more finished appearance at the street.

During the past few days, the crew has been interplanting the pines with Red Maple and a few Basswood trees. Additional plantings are also being made in the Hard Maple association. As much transplanting as is possible will be done this fall from the nursery to permanent locations because of the uncertainty of the labor situation next spring. Also any plants removed from the nursery this fall will lighten the labor load in the nursery next spring.

It was mentioned that the technical group of the Committee has been meeting regularly all summer and has been formulating a definite research program.

Mr. Longenecker mentioned that Mr. Hasler has spent some considerable time making

a census of fish and studying the pond situation at the Arboretum.

The deer, having become a nuisance because of the excessive traffic in a supposedly closed area, was given to Vilas Park.

Two large signs, one for each end of Arboretum Drive, are being made. They will state some of the outstanding regulations for the Arboretum area.

The road, except for a portion under jurisdiction of the Town of Madison, was retopped by the Highway Commission this summer and is in fine shape.

Mr. Gallistel has gotten in touch with Ray Owen and he has promised that, during the spring semester, he will make a topographical survey of the new tract south of Seminole Highway.

Mr. Longenecker stated that the Madison Director of the Boy Scouts and Ted Holstein, the leader of the local unit of the Sea Scouts, had just been in to see him and that they wanted to work out a program for an older group of Boy Scouts (from 15 to 17 years of age) which would be of mutual benefit. Something in the nature of a guide patrol for the Arboretum area.

Mr. Gallistel then called on Aldo Leopold, who reported on the bird and mammal work going forward at the Arboretum and, in particular, the paper on pheasant studies which will shortly be published. Mr. Leopold displayed a graph showing the regression of the pheasant population and reported the damage being done to surrounding farms and to our own woodlot studies by the high pheasant population. He told of the technical group contacting the Conservation Commission and of the plan for removing as many of the pheasants as possible. He stated that 50 birds would be returned as a continuation of regression studies.

Mr. Leopold also told of the plan for a rabbit shooting to be sponsored by the Conservation Commission in an attempt to lower the rabbit population and the damage from rabbits in the area. The plan for handling reprints that had been worked out by the technical group was explained. It is proposed to set up an initial fund of \$200.00 from the Bunn Fund to defray initial expenditures for publication. Some five papers will be in print shortly. It is proposed to distribute a portion of 300 copies of each of the reprints purchased. By discussion, it was decided that 150 copies or thereabouts should be sent out and that 150 copies should be reserved to take care of individual demands and for permanent binding. People getting the full number of copies were to be asked for contributions (1.00) to be deposited in the revolving fund. It was proposed that individual copies of papers be sold at a price which would take care of handling and which would still leave enough of a reserve to replace their proportionate part of the revolving fund.

Mr. Leopold stated that a drawing had been made of a woodcock which would be printed on the covers of the animal papers and that the plant papers should have an appropriate drawing to be used for the same purpose. The reprints are also to carry the appropriate Arboretum Journal number.

Mr. Hasler was then called on and he told about the fish census that had been made of the Arboretum ponds this summer. He said there were ⁵⁰ many fish that they were thin and undersized. He also stated that these ponds could be of considerable value for fish studies if the personnel were available to make them.

John Curtis was then called on by the Chairman. He told about the prairie burning studies that were being continued. He said that some type of burning was essential to combat blue grass and the encroachment of woody plants. The failure of the woodlot studies due to the high pheasant population was reported. Mr. Curtis

also told how the Oak regeneration was good on the Grady tract where the cover was too poor to hold a large pheasant population.

Mr. Jackson asked Mr. Curtis about the status of the orchids on the east marsh and he was told that they were "going down hill" due either to the drainage by the cut at the edge of the marsh or due to the change in climate.

Mr. Curtis reported that other methods than "seed spots" must be used before we can hope to have a good prairie. He indicated that simpler, less labor-consuming methods would have to be used. He mentioned Fassett's plots which were started in 1935 and showed the success of sod-stripping. Possibly fallowing would be the solution if the equipment is available.

G. W. Longenecker
G. Wm. Longenecker, Sec., U. of W. Arboretum Com.

Copies to:

Franz A. Aust, 119 Dept. of Hort.,
John Catenhausen, Univ. Arboretum
John Curtis, 58 Biology Bldg.
J. G. Dickson, 207 Moore Hall
A. F. Gallistel, Service Bldg.
E. M. Gilbert, 307 Biology Bldg.
A. Hasler, 150 Biology Bldg. ✓
J. W. Jackson, Madison & Wis. Foundation
Aldo Leopold, 102 Old Ent. Bldg.
H. E. McCaffrey, Administration Bldg.
F. B. Trenk, 206 Ag. Engr. Bldg.
W. H. Twenhofel, 208 Science Hall
George Wagner, 73 Biology Bldg.
G. Wm. Longenecker, Hort. Bldg.

The meeting was called to order by the Chairman, A. F. Gallistel.

The report of the Report of the Committee appointed by the Biological Division, the University of Wisconsin, on "The Development of the Picnic Point--University Bay Preserve" was presented.

Report of the Committee

appointed by The Biological Division, University of Wisconsin

on

THE DEVELOPMENT OF THE PICNIC POINT--UNIVERSITY BAY PRESERVE

Area. The area considered in this report is delineated on the attached map.

Recommendation. That the Board of Regents designate this area as the Picnic Point--University Bay Preserve, to be kept in its natural state for recreational use, and for use as an outdoor laboratory for teaching and research. Roads, buildings, and other artificial developments should be excluded.

Dick Tipple

Argument. The area is of outstanding value because of its rare natural beauty, its diverse plant and animal life, and because it is within walking distance of the campus, and hence can be quickly reached by students and by classes. It is already used by many students and by 20 different classes in various biological subjects, and it is the site of 40 published researches. This existing use is, we believe, its highest use.

Its value for these purposes would suffer by an artificialization of the bay, the point, or the adjoining hinterland.

On the other hand its value for these purposes could be enhanced by the removal of unnatural plantings and structures, by the restoration of native prairie and woodland vegetation, and by the installation of certain natural features deliberately arranged for teaching purposes.

To provide similar facilities, many universities have been obliged to establish expensive biological stations at distant points.

Administration. The proposed preserve is similar in concept to the University Arboretum, and might well be administered by the Arboretum Committee. It differs from the Arboretum only in that it offers certain soils and aquatic habitats not found on the Arboretum, and in being quicker to reach and hence useable within the standard laboratory class period.

Boundaries. The natural features necessary for teaching can be accommodated on an area somewhat smaller than that delineated on the attached map, but if the area is to serve its full purpose as a natural preserve it should be screened and isolated by suitable plantings from adjoining artificialized land uses; then the delineated area is the minimum practicable one.

The private property on "Second Point" should, if possible, be acquired and added to the proposed preserve.

It was moved that the Arboretum Committee endorse the proposal set up by the Biological Committee; seconded and passed. //

It was suggested by Longenecker that much could be gained by getting the Arboretum Committee together on some regular date and that it would be advisable to have the group meet out at the Arboretum.

It was moved by Hasler that the Committee meet once a month; seconded and passed.

During the discussion the second Monday of the month was proposed. It was agreed that the group meet at the Service Building at 2:00 P.M on the second Monday of the month and from there go to the Arboretum.

A proposed budget for Picnic Point was discussed and it was left that Gallistel and Longenecker get together and estimate the cost of removal and planting of trees and refine the budget.

The budget for the Arboretum was then discussed. This budget is to be gone over by Gallistel and Longenecker and presented to the Committee at a later date.

Postwar building was the next topic of discussion. A program for Greenhouses was presented by Dickson. It was agreed to add an additional house for propagating.

The need of an administration building was then discussed. It was agreed that this should be designed in such a way that it could be built in units at somewhere near \$25,000 a unit. Offices, laboratory space, and a room for holding meetings were considered to be essential in the first unit. Gallistel and Longenecker to work out a proposal to submit to the Committee.

G. Wm. Longenecker, Exec. Director
University of Wisconsin Arboretum

MINUTES OF THE MEETING OF THE ARBORETUM COMMITTEE
309 Agronomy Building, February 13, 1945

Members Present:

Tom Butzen
J. G. Dickson
Norman Fassett
A. F. Gallistel, Chairman
H. C. Greene
Arthur Hasler

J. W. Jackson
G. Wm. Longenecker
Robert McCabe
M. E. McCaffrey
Fred B. Trenk
W. H. Twenhofel


After a "nosebag" lunch and coffee, the meeting was called to order by Chairman A. F. Gallistel.

Greene was called on to give a report on his work at the Arboretum on low prairie. (A written report of this project is on file at the Executive Director's office.)

The "perennial" rabbit problem was brought up for discussion by Longenecker. A committee, consisting of Longenecker, Chairman, Trenk, and McCabe, was appointed to formulate a program and report to the larger committee at its next regular meeting.

Hasler asked Jackson about the research fund, the idea having been brought up at an earlier meeting. Jackson said he could not do much about raising such a fund unless he had a suggested list of projects and an estimate of necessary funds. (Fassett wanted to know if Jackson had ever heard about the woman who went to the bank with a blank check signed by her husband. When asked how much money she wanted, she asked how much there was in her husband's account.) A committee, consisting of the following members, was appointed by the Chairman to get this necessary information together: Leopold, Chairman, Dickson, Trenk, Hasler, Wilde, Greene, and Longenecker.

Jackson brought up the advisability of planning for some type of work program after the war.


G. Wm. Longenecker, Sec., Univ. Arboretum Committee

Minutes of the
ARBORETUM COMMITTEE
Sept. 11, 1945, 12:00 Noon, Plant Path. Lab.

Coffee served by J. G. Dickson

The meeting was called to order by Chairman A. F. Gallistel.
Members present were:


John T. Curtis
J. G. Dickson
A. F. Gallistel
H. C. Greene
A. D. Hasler
J. W. Jackson
G. Wm. Longenecker
M. E. McCaffrey
Wakelin McKeel

Curtis gave a short report on the work which he did while he was away from the University. It was the consensus of opinion that possibly an evening meeting should be held sometime in the near future when reports by Hasler, who has been in Europe, and Curtis, who has been in Haiti, could be given, the wives of the Committee members being invited.

Following Curtis' report, there was a discussion on the possibility of acquiring the Nakoma Golf Course and the possibility of getting funds for research.

It was moved by Mr. Hasler that a report of the accomplishments and aims of the Arboretum be prepared by the Technical Committee and be brought before the General Committee by the middle of November. The motion was seconded by Mr. Longenecker and unanimously carried.

Meeting adjourned.


G. Wm. Longenecker, Executive Director

Hasler

ARBORETUM TECHNICAL COMMITTEE
Report of meeting of Oct. 16, 1946

The meeting was attended by Hasler, Leopold, Longenecker, McCabe, and Curtis.

Most of the time was devoted to a discussion of three new botanical research projects submitted to the Committee for approval. The first of these, proposed by Curtis, was concerned with the establishment of burn plots in the prairie, to study the relation between the number of annual burns and the success of direct seeding. The second project was that submitted by Mr. E. H. Newcomb, a National Research Council Fellow now in the Botany Department. Mr. Newcomb requested the use of some small trees of hackberry, hickory and oak in the nursery, to be used in the study of leaf galls. The third project was proposed by Mr. R. S. Ellarson of the Botany Department. It envisioned the establishment of soil study plots in each of four vegetation types, to determine the influence of vegetation on soil profile development. The project was estimated to be of one hundred years duration. The first two projects were approved by the Committee. Action on the last project was postponed to a later meeting.

Other action taken by the Committee were as follows:

1. The reprinting of Hasler's minor paper was authorized as Journal Paper No. 9 of the Arboretum Series.
2. McCabe is to arrange for, and to maintain a check on, a winter ice-fishing creel census by University patrolmen.
3. Investigation as to the practicability of hiring a part-time man to reduce rabbit population on that portion of the Arboretum west of the central creek is to be undertaken by Longenecker.
4. Butzen is to arrange for the purchase of new locks for the gate system, so that all can be opened by a single key. When such a lock system is provided, all gates are to be kept locked. This reaffirms a decision of the Technical Committee made at its 7/20 meeting.
5. It was decided to extend the pine border of the prairie along a narrow strip immediately north of the proposed right-of-way of the new beltline highway, to serve as a protective screen. It was felt that such a screen would be more effective, and at the same time more correct from an ecological viewpoint, than a screen of ash trees.

Hasler

6. The principal that any and all research projects conducted on the Arboretum be approved in advance by the technical Committee was reaffirmed. It was further decided that the effective administration of this rule would necessitate the filing of a brief statement of the nature and location of all existing projects, regardless of the time of their inception. In order to implement the decision, it is suggested by the undersigned that such statements be submitted to Longenecker in duplicate before December 1, 1946.
7. It was agreed that a letter to campus department chairman be drafted, in which the ideas in No. 6 above would be presented so that all those interested in field work would be fully informed. Such a letter is to be presented at the next Technical Committee meeting for approval.

cc to:
Gallistel
Greene
Hasler
Leopold
Longenecker
McCabe
Butzen

J. T. Curtis
Chairman, Technical Committee

Write up aims
Arboretum Res. Hasler

Arboretum Technical Committee Meeting -- July 26, 1948

The meeting was attended by Profs. Greene, Hasler, Longenecker and Curtis. The following matters were agreed upon:

1. Details of the procedure to be followed in the Arboretum Journal Series (see attached sheet).
2. Fire-killed oaks in the Grady tract should be salvaged for lumber or fire wood and not be allowed to remain in place until decayed.
3. The Conservation Commission should be asked to continue the carp seining program in Lake Wingra. (Letter to be written by Hasler).
4. An ordinance preventing the carrying of axes and hatchets in the Arboretum is to be requested of Callistel.
5. The recent depredations of persons unknown upon various research areas emphasizes the need for a permanent, full-time patrolman for the Arboretum. It was agreed that such a patrolman would be more effective than any fence now feasible. It was further agreed that, until such protection is provided, no serious research can be conducted on the area.
6. The number of test quadrats of unknown purpose or origin is becoming increasingly large. It was decided that all permanent quadrats on the Arboretum area should be recorded in a form giving the information: who, when, why, and where, and that a copy of the record should be filed with Longenecker. In order to implement this decision, McCabe was assigned the task of collecting the necessary information and preparing the records.
7. The maintenance of ecological study areas is assigned to McCabe. Only a limited amount of work can be done with the existing labor force. McCabe is to determine the items of greatest need, estimate the labor required, and make arrangements with Longenecker for the assignment of the necessary labor. Requests for maintenance of particular areas will ordinarily originate with members of the Technical Committee.
8. The proposed consolidation of pharmaceutical plantings and woody plantings on the Picnic Point area was discussed. It was decided that Longenecker should proceed to draw up the plan incorporating such a combination, with decisions as to types of plants and locations resting entirely with him.
9. The need for a general write-up of Arboretum aims, plans and accomplishments was discussed. The proposed development of Picnic Point materially changes the old plans; the last official plan is considerably out-of-date in any case. It was decided that each of the interested groups--horticulture, zoology, game management and botany--would submit a section dealing with aims and plans, with special emphasis on educational uses. These sections will be incorporated with existing reports on accomplishments and current work (sent to Callistel last winter) and will be written up in a coherent Master Plan. This plan can be used for circulation in the University and for background for popular articles. Longenecker agreed to start work on a graphic map of the old Arboretum area, incorporating the ecological "plant-association" laboratory idea into the plan.

Hester

10. It was decided ^{that} all gates on fenced research areas should be kept locked and should again be provided with uniform locks, as in the past. This task was assigned to Eutzen.

11. It was agreed that the portion of the fence on the lake shore research area that now extends through open water should be moved back on land, to provide a pathway for fishermen outside the research area. Assigned to Eutzen.

J. T. Curtis

Copies to: Gallistel, Greene,
Hasler, Leopold, Longenecker,
McCabe.

Hudson

Information about the Journal Series

University of Wisconsin Arboretum

Articles containing scientific or popular information about the Arboretum, and its flora and fauna, or about experiments conducted on biological material collected in the Arboretum, shall be numbered in a consecutive series, according to date of submission of the manuscript.

All such articles should include the following footnote: Journal Paper No. ____, University of Wisconsin Arboretum.

The proper number shall be assigned to each article upon submission of the manuscript to the chairman of the Arboretum Technical Committee. In case of any doubt as to the inclusion of an article within the Journal Series, the manuscript will be sent to each member of the Technical Committee for approval.

At the time final proofs are returned to the printer, a statement as to the author, title and number of pages of the article should be sent to the chairman of the ^{Printer} Arboretum Committee, who will place an official order for 500 reprints with covers. The order will be facilitated, if the author includes a note as to the cost schedule for reprints from the particular printer concerned.

The supply of reprints will be in the custody of the chairman of the Regular Arboretum Committee, who will send them to each person on the mailing list. It is hoped that these reprints eventually will be sent as supplements to subscribers of an official Arboretum Journal.

Articles published without a Series Number can be included in the official series only upon approval of the Arboretum Technical Committee.

The above summary was approved at the meeting of the Arboretum Technical Committee, July 26, 1945.

J. T. Curtis, Chairman
Arboretum Technical Committee

Haas

Nov. 1947

Superintendent

This would be a full time position, with a starting salary of around \$3,600. The duties of the Superintendent would include the preparation of detailed planting and construction plans; the execution of such plans; the field supervision of the planting and maintenance crew; the propagation of plant materials in the nursery; and the responsibility for maintenance of adequate records of the types and sources of material planted, of the current use of assigned land for research projects, and of such other long-term records as are necessary. He should have an adequate training in horticulture, landscape architecture, and botany. ✓ *sympathetic*

to research in faunal ecology & show a willingness to make facilities available

ARBORETUM COMMITTEE

Minutes of meeting of February 5, 1948.

Members Present: Bunn, Curtis, Dickson, Emlen, Gallistel, Greene, Hasler, Longenecker, McKeel, Muckenhirn, Trenk.

Gallistel announced that Col. Jackson had stated to him that it appears that the Arboretum may eventually be able to acquire the Noe property from Mrs. Curry, according to a statement that Jackson had had from the latter.

Negotiations by which it is hoped to acquire the McGill property were said also to be under way.

Gallistel made the following appointments to the Technical Committee:

Curtis, Emlen, Greene, Hasler, Leopold, Longenecker, Muckenhirn

In this connection it was indicated that the Technical Committee will also function as a budget committee.

Dickson stated that an offer of \$40 has been made for the old house on Arboretum property on the Fish Hatchery Road.

Curtis led a discussion of Arboretum policies. He gave a rather extensive outline of the history of matters which together might be taken to comprise Arboretum policy in its broader development.

The brief outline of the principal factors bearing on Arboretum policy as drawn up by the Technical Committee on February 3 was presented. Typewritten outlines were available and distributed to the members of the Committee. A similar typewritten outline had been prepared by Professor Leopold and was likewise distributed.

Leopold and Emlen had also prepared a plan for study of the land animals of the Arboretum area and carbon copies of this were also distributed.

Dickson stated that he would like to see the Arboretum objective enlarged so as to serve other interests than those of University of Wisconsin students exclusively.

Trenk stated that he wished to see defined more clearly the direction of policy and a more definite plan as to what principal "biological capital investments" the Arboretum proposes to make.

In this connection Dickson and Curtis stated that the time has come to crystallize plans for extensive long-term plantings.

The present status of the Picnic Point area was discussed. Dickson and Longenecker want to continue activities, despite curtailment of Arboretum jurisdiction, especially the planting of the slopes which are adjacent to University Bay.

Hasler stated that Clarence Schoenfeld had indicated his willingness to dedicate a future issue of the Alumni Magazine to the Arboretum. It was agreed that this would be highly desirable.

Curtis emphasized the need for long-range surveys in the Arboretum. An example of this is the need for long extended studies of soil changes following planting of pines on land which originally was oak openings. Curtis also put question as to necessity for further discussion as to teaching and research on the Arboretum.

Longenecker stated that it would be desirable to have occasional dinner meetings at the University Club, and it was agreed that this would be done.

H. C. Greene, Sec'y.

Arboretum Technical Committee Meeting

February 26, 1948

Present:- Curtis, Emlen, Green, Hasler, Muckenhirn.

Curtis discussed budgetary matters (copies of 1947-48 Arboretum and Picnic Point budget were distributed).

The employment of Mr. Eldon Zicker on the student labor budget for work in the wild flower nursery and for other botanical work from March 1 to June 15 was approved.

\$200.00 was set aside for the period 15th to 30th of June, to hire four people at a maximum of \$50 each. The four will include Mr. Tibbits and Mr. Zicker, already approved for this semester.

The present status of the proposed position of Arboretum superintendent was considered.

The necessity for hiring the proposed Arboretum Assistants in the near future while they are still available was pointed out by Curtis. It was decided that it would be desirable for the Technical Committee to meet with President Fred regarding the hiring of Arboretum Assistants (on a departmental basis). This decision to be presented to the Arboretum Committee for approval, at the meeting of March 5th next.

Arboretum policies were discussed by Curtis. It was decided that additions to the previously outlined administrative set-up were in order, as follows:

- | | |
|---------------------|---|
| Previously outlined | A. Organizational Plan
B. Finance (method and routine)
C. Regulations |
| Suggested additions | D. Physical plant-buildings, equipment.
E. Maintenance |

The plan for land plant development was outlined by Curtis, and a detailed copy of this is appended. In this connection, following the suggestion of Muckenhirn, it was decided that any "strain" garden as such would not be maintained in the Arboretum proper, but might be developed on the University Bay shore of Picnic Point. The purpose of this would be to prevent undesirable hybrids with native species on the Arboretum. However, a nursery for representative Wisconsin forms will be retained in the vicinity of the present Arboretum Camp.

The plan for land animals, as drawn up by Leopold and Emlen, was discussed, as details were agreed upon. A copy of this is appended.

The plan for aquatic organisms was outlined by Hasler. A copy of this plan is likewise appended.

Arboretum Committee

Minutes of meeting of March 4, 1948.

Present:- Bunn, Curtis, Dickson, Gallistel, Greene, Hasler, Jackson, Longenecker, Muckenhirn.

Jackson discussed present status of Arboretum land acquisition program, especially as relating to the Curry property, and the Williams property.

- Board of

Dickson moved that a recommendation be made to the Regents that the following land parcels be acquired by the Arboretum as rapidly as possible: Curry, Williams, Haen, Anderson, Morgan, Kinney (Bowman), McGill (St. Raphael's Church). Seconded by Longenecker and carried without opposition. The Technical Committee was instructed to develop plans for the utilization of these pieces of land.

Jackson mentioned the possibility of leasing Lake Wingra shore property from Edgewood College.

Longenecker moved that a recommendation be made to the Board of Regents that, as opportunities arise, the boundaries of the Arboretum as originally conceived--including approximately 2000 acres--be filled out. The motion was seconded by Dickson and carried without opposition.

Hasler agreed to write a letter for Gallistel to send to the city and to the State Pollution Commission, protesting the treatment of the Wingra lagoons with copper and arsenic.

Curtis discussed in some detail the plans drawn up for the development of the Arboretum. The discussion was implemented by typewritten copies of the plans for land plants, land animals and aquatic plants and animals.

Arboretum Technical Committee

Minutes of meeting of March 15, 1948.

Present: Curtis, Emlen, Greene, Hasler, Longenecker, Luckenbirn.

The Arboretum Budget, exclusive of salaries and wages for the Technical Staff, was approved by the Committee.

The following budget for the Arboretum Technical Staff was approved:

Superintendent - - - - -	\$3600	(Schwartz)
Biologist (wildlife) $\frac{1}{2}$ time - - -	1750	(McCabe)
Biologist (Plants) $\frac{1}{2}$ time - - -	1600	(Partch)
Arboretum Assistant (Soils) - - -	1500	(Netzer)

The qualifications of J. L. Netzer were described by Luckenbirn. Netzer approved as Arboretum Assistant in Soils.

Purchase of $\frac{1}{2}$ truck for Emlen discussed. Agreed that heavy hauling of traps, etc., to be done by Arboretum pickup or by Hasler's truck. Travel expenses to Arboretum, or for Arboretum work, in other vehicles to be supported by Arboretum funds.

Arboretum Technical Committee

Minutes of meeting of March 22, 1948.

Present: Curtis, Greene, Hasler, Leopold, Longenecker, Muckenhirn.

Considered request from Conservation Dept. to use Honeum Pond for game fish-rough fish study. Request approved with stipulation that pond be cleaned out at the end of the experimental period.

Letter from Gallistel read to group by Curtis. It concerned a request from Pres. Fred for records of work done on the Arboretum, present and past, the number of workers, and their names and projects. Curtis tentatively outlined the following categories of work:

Undergraduate classes using Arboretum—number of students per year, 1940 to date.

Graduate students—Their names and titles of their projects.

Problems conducted by faculty members—faculty research.

A letter from Mr. Marshall of the Madison Park System stating intent to go ahead with the poisoning of the Vilas Park lagoons with arsenic and copper was read to the Committee, with an accompanying letter from Gallistel. Leopold pointed out that the conservation Dept. has a rule requiring permission before poisoning can be carried out. It was decided that Curtis should get information from Schneeberger of the Conservation Dept. concerning the application of this rule, and report on the matter to the Arboretum Committee.

Permission was granted to Erlen to use area in Noe Woods, 600 x 1000 feet, for purpose of mouse population study.

Curtis was unanimously elected Chairman of the Technical Committee.

It was agreed that the old field nursery will be removed, so far as possible in the summer of 1948. It was pointed out by Longenecker that it may be possible to make use of some of the oaks already planted. Longenecker discussed his plans for the Horticultural Area, adjoining the camp. He wishes to make use of desirable ornamental species in practical demonstrations, especially in landscape plantings. He does not intend to employ many different types. Curtis pointed out the desirability of using native plants exclusively in these plantings. It was decided that, if at some future date, the Nakoma Golf Course is acquired by the Arboretum, it would be best developed as an extension of the Horticultural Area.

Leopold pointed out the desirability of having an Arboretum Naturalist whose principal duty would be to conduct tours of the area for groups of the general public. It was agreed to add this to the list of administrative objectives.

ARBORETUM AND PICNIC POINT

1948-49 Budget

Salaries and Wages (1a)

Faculty (Technical Staff)

Superintendent		\$ 3600
2 Biologist $\frac{1}{2}$		3200 1750
Arboretum Assistants	1 @ \$ 1500	1500
		9800
		8450

Civil Service (Labor Staff)

Park Manager I	2 @ \$ 2160	\$ 4230
Laborer II	1 for 12 months	1608
Laborer II	10 @ \$ 600 (summer only)	6000
Extra Labor	(Hourly student help)	960
		1380.-
		\$ 12888

TOTAL -- -- \$ 22688

Personnel (Now employed or candidates)

Superintendent -- Schwartz, Richard (BS in Landscape, MA in Forestry and Recreation, now with Milwaukee Park System)

Arboretum Assistants -- Zicker, Eldon (BS in Soils, U. W. 1948. Candidate for MA in Botany)

Retzer, John L. (BS in Soils, MS in Soils, 1940. Candidate for PhD in Soils)

Park Manager I -- Butzen, Thomas F. (Arboretum)
Hess, Bernard F. (Picnic Point)

Laborer II (Year) -- Donna, Francesco (Arboretum)

Biologist -- wildlife $\frac{1}{2}$ time -- McCabe, Robert (now part time biologist--wild-life)

Biologist -- plants $\frac{1}{2}$ time -- Partch, Sax (now candidate for PhD in Botany)

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ARBORETUM AND PICNIC POINT

1948-49 Budget

OPERATION

Salaries and Wages (1a)	\$ 22688
Supplies and Expense (1e)	<u>4500</u>
	\$ 27188

MAINTENANCE

Maintenance (1c)	\$ 6000
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EQUIPMENT

Equipment (1d)	\$ 2875 (2875)
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21

<u>GRAND TOTAL</u>	<u>\$ 36063</u> (36063)
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Equipment (1d)

Truck (Chevrolet, 3/4 ton)	\$ 2000
Power Mower (Toro Parkside, replacement)	400
Sprayer (McBean, 50 gallon high pressure)	450
Hand Embosser, roover's	<u>25</u>
	\$ 2875

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Arboretum Committed Meeting

April 8, 1948

Present: Jackson, Dickson, McCabe, Hasler, Emlen, Gallistel, Trenk
Longenecker

Gallistel reported that he had had several meetings with the Advisory Board for the Athletic Department in regard to land to be used for athletic purposes. Dean Withey had suggested that the Arboretum Prairie might work out well for this purpose, but Gallistel convinced them that the area was being used and would not be available for such activities.

Both Jackson and Gallistel reported on the proposed land acquisition south of Seminole Highway.

After considerable discussion on the Feavel Prairie, it was moved by James Dickson, seconded by Professor Trenk, that Bob McCabe be delegated to make arrangements to see that this area is properly taken care of. Motion carried.

Gallistel brought up the matter of the Advisory Committee and read off a suggested list of names of persons who had been considered by Curtis, Gallistel and Longenecker. It was asked that the Committee think over the suggested names with the idea of making deletions or additions.

G. Wm. Longenecker
Acting Secretary

Technical Committee Meeting

April 26, 1948

Present:- Curtis, Greene, Longenecker, Muckenhirn

Plan for Alumnus Mag.

- 1) History and method of acquisition of land.
Possibility of having Aldo Leopold fund mentioned in Alumni
Mag. by Prof. Bunn brought to attention of Technical Committee.
- 2) Summary of general plans for Arboretum.
- 3) Photographs to be supplied to Alumni Mag.
- 4) Statement of kind of research and teaching being done on area.

ARBORETUM COMMITTEE MEETING

May 6, 1948

Present:- Curtis, Dickson, Fassett, Gallistel, Greene,
Hasler, Jackson, McCabe, Muckenhirn.

Hasler introduced Mr. Tibbets, who displayed drawings of the fish of Lake Wingra. The possibility of publishing the drawings was discussed at some length.

Gallistel and Jackson discussed the possibility of acquiring the Curry property, exclusive of the house and immediate grounds.

Gallistel presented proposal from the Nakoma Country Club to sell some Arboretum land to the club for parking lot purposes. This proposal was rejected.

A statement by Professor Bunn (copy attached) entitled "In Memory of Aldo Leopold" was presented to the Committee.

Hasler proposed creation of a subcommittee to be headed by Bunn to consider the Leopold memorial within the following week. This proposal was accepted.

Resolution was moved to the effect that the South Mills St. entrance to the Arboretum be called the "McCaffrey Entrance". Motion unanimously passed.

Muckenhirn proposed the creation of a memorial volume to Professor Leopold, containing his papers and those of his students, in order to give the Arboretum Committee permanent evidence of work that has been done on the Arboretum.

ARBORETUM COMMITTEE MEETING

June 3, 1948

**Present:- Curtis, Fassett, Greene, Hasler, Jackson,
Longenecker, McCabe, Muskenhira, Trenk**

**Jackson brought up proposal of Getaway Club
to erect plaque or other memorial to Professor Leopold for
Committee consideration. No definite action on this was
taken.**

**The idea of a memorial volume to Professor
Leopold was discussed at some length. Muskenhira brought
the memorial volume to Curtis Marbutt as an example of such
a thing.**

ARBORETUM COMMITTEE MEETING

July 1, 1948

Present:- Bunn, Curtis, Dickson, Gallistel, Greene,
Hasler, Jackson, Muckehirn, Trenk

Bunn discussed the Leopold Memorial, stating that his subcommittee felt that it should be personal, but at the same time of professional use and interest. The creation of a revolving fund was suggested to facilitate the publication of Leopold's hitherto unpublished work, especially his Naturalist's Journal, which he kept for many years, as well as some essays. If funds remained available, publication of relevant Arboretum work other than Leopold's would be contemplated for the future.

Bunn moved that the Arboretum Committee approve the above ideas in principle, and this motion was carried unanimously. Bunn is to take the matter up further with his subcommittee and report back to the Arboretum Committee.

The Getaway Club will proceed with the preparation of a memorial plaque to Leopold, but a definite location for it is still undecided, although several were suggested.

Jackson reported on the present status of the proposed Curry purchase. It appears there will be no sale at present, but Mrs. Curry has promised to give the University a chance to purchase should she ultimately decide to sell.

Hasler told of a \$2,000 grant to do fish research, and mentioned that he thought it possible that the grantor would be interested in subsidizing additional fellowships.

Arboretum Technical Committee

Minutes of meeting of July 27, 1948.

Present:- Curtis, Emlen, Greene, Hasler, Longenecker.

It was agreed that the Technical Committee was to be circularized with the existing statement of the duties of the Arboretum Superintendent (appended) -- additional suggestions are wanted.

The appointment of Max Partch as Arboretum Plant Biologist was unanimously approved by the committee.

It was agreed that in the future payrolls and credentials of students employed on an hourly help basis are to be cleared through the Arboretum Director.

Arboretum work and identification permits are to be prepared for the use of students and others who have legitimate reasons for carrying on work on the area. These permits are to be signed by a member of the Technical Committee and copies are to be furnished to the Director. (Tentative draft enclosed for suggestions).

Plans for Arboretum development were brought up for discussion by Curtis who pointed out that studies of plant composition, which will directly affect Arboretum plantings, are still in progress, both in literature studies and in actual field work.

The question came up as to what items should be included under the Budgetary heading of SUPPLIES AND EXPENSES, and the following list was prepared, tentatively:-

Nursery stock and supplies.
Photographs and photo supplies.
Other supplies, including drafting supplies.
Reprints of Arboretum publications.
Transportation of Arboretum staff members.

Monies (\$4000 total) for these items apportioned as follows:-

Nursery stock -----	\$2000
Photos -----	500
Supplies, misc.-----	500
Reprints-----	500
Transportation-----	500

Arboretum Technical Committee

August 11, 1948.

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker.

The duties of the Arboretum Superintendent, Botanist and Zoologist were discussed. A schedule of their various duties is to be made out and presented for approval at the next meeting of the Arboretum Committee. (Eaton and Hasler are to prepare a statement outlining the duties of the Zoologist, and Muckenhirn is to do likewise for the assistant in Soils.)

It was decided that the fence in the Miles Tract, at the Faville Prairie near Lake Mills, must be closed in order to prevent fishermen from driving over our land to the detriment of the vegetation adjoining the trail. Max Partch is assigned to do this.

Arboretum Technical Committee

Minutes September 27, 1948

Present; Curtis, Emlen, Greene, Hasler, Longenecker, Muckenhirn, Gallistel.

K. Schmaltz present - introduced by Longenecker.

Duties of superintendent outlined to Schmaltz, together with program for the near future. Agreed to hire Schmaltz on hourly basis as draftsman for the present and to withhold decision on superintendent.

Gallistel announced that the Arboretum Botanist, Mr. Partch, would not be able to live in the Arboretum Headquarters house, due to prior agreements with a non-Arboretum family.

Technical staff composition was discussed. It was agreed to ask for a superintendent, a full-time botanist, a part-time soils assistant and two part-time zoologists, one as instructor in Game Management and one as assistant in Zoology. Altogether, a faculty budget of \$12,150 and a Civil Service budget of \$18,040 was requested for each year of the new biennium. These, together with requests for supplies, equipment and maintenance, give a combined annual budget request of about \$46,290.

Arboretum Technical Committee

October 11, 1948

Present:- Curtis, Greene, Hasler, Longenecker, Muckenhirn.

No tools to be taken from Arboretum workshop, except as authorized by Alexander.

Experimental plots are taken to mean plots for study of means of handling species on other portions of Arboretum, treatments with fertilizer, burning, propagation, etc. Localized work only.

No disease inoculation work to be permitted in association areas.

No work of any sort to be carried out on Arboretum area, which, in the opinion of the Technical Committee, will be detrimental to the native species of plants and animals on the area, particularly in the established associations.

October 14, 1948

To: Arboretum Technical Committee Members

Subject: Statement of Arboretum Policies

The enclosed draft of the long awaited statement is sent for your careful criticism, rewarding, reworking, correction or destruction. It seems to me to embrace all of the ideas brought up in our discussions throughout the year, but no doubt there are still some important omissions.

Will you please make whatever changes you see fit and bring them to the next meeting on October 25, at 4:30 P.M. in Room 58 Biology. If possible, I would like to present at least a working statement to the Arboretum Committee on November 4.

J.T. Curtis

Arboretum Technical Committee

October 25, 1948

Present:- Curtis, Emlen, Greene, Hasler, Longenecker, Muckenhirn.

Meeting held for purpose of discussing and, if necessary, amending Arboretum Plan.

Technical Committee requests information on stockades, feeding stations, and other structures on Arboretum.

Arboretum Technical Committee

November 10, 1948

Present:- Curtis, Greene, Gallistel, Longenecker, Muckenhirn

ARBORETUM TECHNICAL COMMITTEE

Minutes of meeting of December 10, 1948

Present: Curtis, Emlen, Greene, Longenecker, Muckenhirn

Research project by Hhlgren and Curtis on methods of establishment of prairie grasses, approved. Study to be conducted on still-to-be-acquired farm in S.E. corner of purchase area, or if that is not possible, on the abandoned corn field north of the old nursery and in the sand embayment on the north side of the Grady prairie, since the resulting stands of prairie grass will fit the master plan.

Trap lines run by Emlen's students approved by committee. Copy of map showing location of lines on file.

Longenecker to look up proper name of Emergency Conservation Works project.

Types of land use--reworded to emphasize natural relations--natural areas defined--to be handled with minimum manipulation.

"Technical" Committee name brought into question-- is another name, e.g., Executive Committee, or Operations Committee, or Planning Committee more suitable?

Muckenhirn suggested that administrative section of the Arboretum Plan may not properly be a true part of the Plan. It was agreed to submit the plan in three parts: Part I on objectives, Part II on Administration, and Part III on Regulations.

Longenecker suggested that personnel of Technical Committee be rotated from time to time, as means of helping to avoid friction.

Under "Objectives and Purposes of Arboretum" the leading sentence changed from "to provide an outdoor laboratory" "to provide an outdoor demonstration and study area."

It was decided to go over the report, paragraph by paragraph at the next general committee meeting, so that every section gets proper attention and approval.

H.C. Greene, Secretary

Arboretum Technical Committee

December 17, 1948

Present:- Curtis, Greene, Muckenhirn, Longenecker, Hasler.

Curtis' discussion with Prof. Brink as to possible use of Arboretum land for tree breeding approved by Technical Committee.

It was agreed to submit revised Arboretum Plan to next meeting of General Arboretum Committee.

Arboretum Committee Meeting

Minutes, January 6, 1949

Present:- Bunn, Curtis, Dickson, Gallistel, Greene, Hasler, Hickey, Longenecker, Partch, Trenk.

The revised Arboretum Plan, Part I., dealing with 1) History and Extent, 2) Objectives, 3) Plans and Methods for Achieving Objectives and 4) Reports and Publications was presented to the Committee for approval. With further specific emendations, this approval was voted, page by page.

It was decided that the fourth Monday of the month would hereafter be the time of the regular Arboretum Committee meeting. Thus, the next meeting will be January 24th.

Arboretum Technical Committee

Minutes

Jan. 10, 1949

Present: Curtis, Emlen, Gallistel, Hasler and Longenecker

The second draft of Part II of the Arboretum Plan was discussed and amended. Copies are to go to the members of the Arboretum Committee for action at the next meeting on Jan. 24, 1949. It is planned to discuss both Part II and the land use map of Part I at this meeting.

Mr. Gallistel reported that the long negotiated block of lots in Lost City was finally available for \$2200. The committee, acting as an Executive Committee, approved the recommendation for such purchase.

The question of the Research Directorship was discussed. No decisions were reached, other than to submit the question to the general Committee on Jan. 24.

J.T. Curtis

ARBORETUM COMMITTEE MEETING

January 24, 1949

Present: Curtis, Dickson, Ealen, Fassett, Greene, Hasler,
Hickey, Longenecker, Muckenhirn.

Part II of the Arboretum Report was approved, with reservations as follows:

P. 1 approved, except for sentence about Advisory Committee, this to be deleted.

P. 2 approved, except for section on finance. A search for the Regents' directives on finance is to be conducted in connection with rewriting the section.

P. 3 approved, with some slight changes in working.

P. 4 It was agreed tentatively that new plans for research projects involving personnel and use of land are to be referred to the Technical Subcommittee, for recommendation to the Arboretum Committee.

Remainder of page 4 approved.

It was moved that Dr. J. T. Curtis be given the official title of Coordinator of Research. Motion carried unanimously. Mr. Gallistel is to contact the President in connection with with appointment.

It was moved that Vice-President Baldwin be invited to participate in meetings of the Arboretum Committee. Motion carried unanimously.

H.C. Greene

Secretary

Arboretum Technical Committee

Minutes

March 17, 1949

Present: Gallistel, Longenecker, Hasler, Muckenhirn, Curtis, Retzer
Absent: Greene, Emlen, Hickey

Actions:

1. Retzer presented a portion of his new soils map. On the basis of this new information, it was decided to hold up new plantings in the prairie, maple spruce and pine areas, pending possible basic changes. Plantings in 1949 are to be concentrated in the Wingra Woods area, where there is good agreement between soils map and planting plan. Retzer will prepare a detailed enlargement of this area in time for spring planting.
2. The use of the main nursery was discussed. Current plans for this spring call for the planting of large quantities of native tree, shrub and herb seeds, since it has proved to be impossible to buy the required species from commercial nurseries. This will involve the expenditure of considerable labor to maintain the area in a weed free condition.
3. The content of Part III of the Arboretum Plan - Rules and Regulations - was discussed. It should be ready for the April meeting.
4. Two research projects were discussed.
 1. Prof. Dicke plans to present a plan for a study of the Arboretum.
 2. Curtis presented a request for land for the joint project of Ahlgren and Curtis on the establishment of prairie grasses. This project was approved at earlier meetings, but the new land request is necessitated, since the original plan was to be carried out on the new farm which has not yet been acquired. Inspection of several sites indicated that the field north of the old CCC nursery would be satisfactory for a part of the experiment. The remainder will be conducted on the Hill Farm. A plot in the regular nursery is also requested for late summer plantings.

J.T. Curtis

ARBORETUM COMMITTEE MEETING

March 28, 1949

Present: Curtis, Emlen, Gallistel, Hasler, Hickey, Jackson, Longenecker, McNeel, Muckenhirn, Partch & Ritzer.

Curtis reported the action of the March 17th Technical Committee Meeting:

1. Retzer presented a portion of his new soils map. On the basis of this new information, it was decided to hold up new plantings in the prairie, maple spruce and pine areas, pending possible basic changes. Plantings in 1949 are to be concentrated in the Wingra Woods area, where there is good agreement between soils map and planting plan. Retzer will prepare a detailed enlargement of this area in time for spring planting.

2. The use of the main nursery was discussed. Current plans for this spring call for the planting of large quantities of native tree, shrub and herb seeds, since it has proved to be impossible to buy the required species from commercial nurseries. This will involve the expenditure of considerable labor to maintain the area in a weed free condition.

3. The content of Part III of the Arboretum Plan - Rules and Regulations - was discussed. It should be ready for the April meeting.

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1. Prof. Dicke plans to present a plan for a study of the Arboretum.

2. Curtis presented a request for land for the joint project of Ahlgren and Curtis on the establishment of prairie grasses. This project was approved at earlier meetings, but the new land request is necessitated, since the original plan was to be carried out on the new farm which has not yet been acquired. Inspection of several sites indicated that the field north of the old CCC nursery would be satisfactory for a part of the experiment. The remainder will be conducted on the Hill Farm. A plot in the regular nursery is also requested for late summer plantings.

J. T. Curtis "

Ritzer showed and explained the soil map of the area.

Curtis moved that the area north of the Cornfield Nursery be used (60 ft. wide by 360 ft. long) and an area 35 x 100 feet in the Fenced Nursery be used by Ahlgren and Curtis for grass studies.

Seconded by Longenecker. Carried.

Part III Rules and Regulations was read by Curtis and discussed.

Meeting adjourned

G. Wm. Longenecker,
Acting Secretary

THE UNIVERSITY OF WISCONSIN ARBORETUM

The Arboretum Committee

March 1949

Part III

This section includes a summary of the rules and regulations governing the use of the Arboretum by the general public, a description of the procedure to be followed in research projects by staff members, students and collaborators of the University, and an account of the records maintained by the Arboretum Committee.

I. General Rules and Regulations

The Arboretum is primarily a demonstration and research area for the University. Its use for park purposes is definitely secondary. The only recreational facilities provided are devoted to provisions for hiking and for picnics. No ball games, camping, horseback riding or other usual park activities are permitted. Picnic fires may be built at the large spring in Wingra Woods and in the shelter house, also in Wingra Woods. The Wheeler Memorial Council Ring on Monroe Street is to be used for council fires, story-telling groups and other small meetings, but not for picnics. Under no circumstances are fires to be lighted by the public at any other point in the Arboretum, since the danger from unattended fires is too great.

The Arboretum provides an excellent place for bird walks and for all types of nature hikes. Trails are provided which cover most of the area. Hikers are to be urged to stay on the paths as much as possible and to follow the regulations listed below regarding the picking of flowers, destruction of vegetation, and molesting of animals.

Regents' rules which apply to the Arboretum

WHEREAS, 36.06 (8) of the Wisconsin Statutes provides that all special powers conferred on the Conservation Commission by 27.01 (2) and (3) are conferred on the Regents of the University of Wisconsin (hereinafter referred to as The Regents) insofar as they are applicable to lands owned by or under the control of the Regents, and that all penalties set forth in said subsections shall apply in the exercise of such powers by the Regents; and

WHEREAS, The Regents deem it necessary and advisable to adopt and enforce certain rules and regulations for the management, administration and regulation of lands and property owned by or under the control of the board;

NOW, THEREFORE, By virtue of the authority conferred on the Regents by 36.06 (8) of the Statutes, the Regents hereby prescribe and adopt the following rules and regulations which shall apply to all lands and property owned by or under the control of the Board of Regents:

Section 1. Police Officers. Such persons as shall be authorized by The Regents shall be constituted police officers and shall have the power to enforce these rules and regulations, and for the purposes thereof shall police all property under the control of the said Regents. Such officers shall have all the powers provided in 27.01 (3) of the Statutes, except where such powers are specifically limited or modified by the Regents. Said police officers shall be identified by an appropriate shield or badge conspicuously worn, bearing the words, "Police, University of Wisconsin", and bearing a number.

Section 2. Designation of University Land. All lands and real property owned by or subject to the control of the Regents are hereby designated as University Parks, and as such shall come within the scope of these and all subsequent rules and regulations relating to University lands.

Section 3. Chapter 85, Statutes, Applicable. All provisions of Chapter 85 of the Statutes entitled "Law of the Road" which are pertinent to the regulation of the use of roads under the control of the Regents, not including highways, streets, or roads under the jurisdiction of the state or any of its political subdivisions, are hereby adopted and made applicable to all roads and ways which traverse University Parks, except where such provisions are specifically limited or modified by the Regents.

Section 4. Parking Restrictions in University Parks.

(1) No parking is permitted at any time on roads and drives traversing University Parks, except at the places specified.

Section 5. Fire Zones. There shall be no parking whatsoever at any time in areas which must be kept clear for the passage of fire apparatus. Said areas shall be designated by standard signs reading, "Fire Zone, No Parking At Any Time."

Section 6. Trucking. All trucking on all University Parks' roads is prohibited, except for purposes of delivery to University buildings and local construction projects.

Section 7. Speed Restrictions and Arterials. No motor vehicle shall be driven on any road traversing a University Park at a speed in excess of 25 miles per hour. All warning signs to slow down, and signs restricting traffic to a speed of less than 25 miles an hour, must be strictly obeyed.

Section 8. Conservation of University Parks; Destruction of Property

(1) (a) The dumping of any waste, trash, debris or other rubbish on any University property is prohibited, except only as may be specifically authorized by the Regents.

(b) Except as authorized by the Regents, the removal of any shrubs, vegetation, wood, timber, rocks, stone, earth, or other products of the University Parks is prohibited.

(c) The removal, destruction or molestation of any bird, animal and fish life within the boundaries of university Parks is prohibited, except in cases wherein this provision conflicts with any order of the Wisconsin Conservation Commission, when such commission is empowered to act; and in such cases of conflict said commission order shall govern.

(d) No dogs shall be allowed in those parts of the University Parks known as the Arboretum and Picnic Point.

(e) Carrying or using firearms on University property except as required for (1) courses in military science, (2) use in established rifle and pistol ranges and (3) for police and military purposes is prohibited unless otherwise authorized by the Regents.

(2) It shall be unlawful to break, tear up, mar, destroy or deface any notice, tree, vine, shrub, flower or other vegetation, or dislocate any stones or disfigure natural conditions or destroy or damage in any way any other property, real or personal, within the boundaries of any University Park. The penalty provided in 26.19 of the Statutes, shall apply to violations of this subsection.

Section 9. Conduct within University Parks.

(1) (a) Picnicking is permitted in University Parks only in such general areas as are designated by the regents to be picnic grounds. All rules and regulations for picnics which are adopted and posted by order of the Regents must be strictly complied with.

(b) The building of fires is restricted to such places as are set aside for this purpose and appropriately designated by standard signs. It shall be unlawful to throw away any cigarettes, cigars, pipe ashes or other burning material without first extinguishing them.

(c) Picnicking after the closing hours, as hereinafter provided, is prohibited.

(2) Fishing, swimming and boating in ponds, lagoons, streams and all waters within the boundaries of the Arboretum and Picnic Point properties, and the storing of boats, boating gear and other equipment, except as authorized by the Regents, is prohibited.

(3) Drunkenness and disorderly conduct of any kind is prohibited. The use or possession of intoxicating liquors or beer with an alcoholic content of more than 3.2% by volume is prohibited on all University property.

(4) The closing hour at the Arboretum and Picnic Point shall be 10:00 o'clock P.M. after which time there shall be no picnicking, parking or trespassing of any sort on said property other than the free usage of the public road through the Arboretum.

Section 10. Penalties for Violation of the Above Enumerated Orders.

Except where other penalties are expressly provided in these rules and regulations, all penalties provided in 27.01 (2) and (3) of the Statutes, shall apply to violations of these rules and regulations. Where no penalty is specifically provided by law for violation of any of these rules and regulations, the penalty shall be not less than \$5.00 nor more than \$100.00 or imprisonment in the county jail for not exceeding 30 days or both. The penalty for parking violations shall be not more than \$5.00 for each violation.

II. Regulations for Research Use

Nature of research use

The general scope of research on the Arboretum is outlined in Part I of the Arboretum Plan. In more detail, research will involve work on any plant or animal native to the prairie-forest border region from Canada to Missouri and on such other species, whether indigenous in the region or not, as may be necessary to a complete understanding of the interrelationships of the native organisms and their environment. Thus, the area should not be used for strictly agronomic or horticultural investigations of cultivated plants like corn or apples, but the effects of cover crops on the establishment of native species, and the methods of control of weedy plants like blue grass or weedy animals like carp might be suitable topics for investigation. In the case of pheasants, the future program will involve a study of the effect of a severely reduced sex ratio on the population. Research projects on soils, their formation and removal, on water tables and their fluctuations, on lake sedimentation, on microclimates or on other nonbiological phenomena are likewise proper subjects for study.

In general, the area should be used for the investigation of all phases of ecology in its broad aspects, especially those which will further our understanding of the landscape and lay a firm groundwork for the conservation of new resources. Of the many possible topics of this nature, those which can be best conducted on the Arboretum should be favored over those for which better facilities are available elsewhere.

The only restrictions on research involving the use of special lands in the Field Plot areas will be those of a nature to safeguard the remainder of the Arboretum. Highly infectious plant diseases or insect pests of potential epidemic nature which might threaten the well-being of adjacent

plant associations should not be introduced into the Field Plot areas.

Research on that portion of the area devoted to the plant associations should be restricted to investigations which will not destroy natural balances or otherwise seriously upset the existing equilibrium. Such procedures as tend to act selectively on any segment of the plant and animal populations will be discouraged. For example, the destruction of insects by a large-scale spray program would bring serious consequences to the birds of the area, while the indiscriminate use of chemical weed killers might wipe out many desirable herbs. The emergency use of such agents in prevention or control of threatening diseases or epidemics is to be undertaken only after full discussion of possible effects. While each case must be decided on its merits, the general policy is to allow depredations by native organisms, either fungus or insect, to proceed unchecked, while attacks by exotic organisms which have no natural predators are to be controlled by whatever means necessary.

B. Who may use the area

The Arboretum is open to all staff members and students of the University, to such state and federal agencies as the Conservation Department, the U.S.D.A. Forest Products Laboratory, the Soil Conservation Service, and to any other person or agency as may be qualified to conduct profitable research on the area.

C. Procedure to be followed

Since the Arboretum is limited in size, certain rules and regulations are needed to insure that research projects do not interfere with each other. Many types of research require a specified area which can be maintained reasonably free of interference and under definite control measures. Other types of research do not themselves need specified plots but should

not be conducted in plots used by others. To insure the maximum amount of use with the minimum friction, the following procedures have been devised. All who plan to use the Arboretum are to be requested to follow them in so far as possible.

1. Application for research use.

Application for any research project which needs a special area or special facilities, or which includes the collection of specimens or samples, will be made to the Arboretum Technical Committee through its chairman, the Coordinator of Research. This committee will be available to discuss any proposed project in advance so as to clarify any questions about suitability of the Arboretum for the work. The application should be in the form of that used by the University Research Committee.

If the proposed project falls within the general scope of Arboretum Activities as set forth in Part I of the Arboretum Policy, the Technical Committee will determine whether suitable areas or facilities are available and will submit the application to the Arboretum Committee at its next monthly meeting, with a recommendation for approval or disapproval. If approved, the Technical Committee will make arrangements with the applicant as to specific areas or other facilities needed and will issue identification cards for all personnel of the project as outlined below. Day-to-day questions are to be taken up with the Research Coordinator.

2. Use by students

Students working on individual assigned class projects who will make regular use of the Arboretum, either for observation or collection, should be provided with identification cards so that the Arboretum

Supervisor, Technical Staff, patrolling officers or other authorities may be assured that their activities are proper. The procedure in this case is as follows: The professor in charge of the course will fill out application blanks for identification cards for each student (see attached sample- a supply may be obtained from the Executive Director). The student will then present the application the Arboretum Supervisor, at the Arboretum headquarters and receive his card. (see sample) This step will be useful in that it will enable the Supervisor to personally learn of the student's plans and may result in the saving of much wasted effort. The Supervisor will have a record of all workers on the area, what they are doing, where they are working, how long they will be there, and who they are working for. This will be useful for future summaries of Arboretum activities.

In the case of classes in Entomology, Economic Entomology, Field Zoology and possible other course, where students are using the area for occasional collection of animal specimens, a blanket permit will be issued to the professor in charge together with a supply of special permit cards. These cards may be issued directly to the students, who will sign and date them. In this way, infrequent users of the Arboretum will also have proper identification, which may encourage their use of the area. It is expected that the professor will inform the Arboretum Committee of the number of cards issued each year.

3. Use for field trips by University classes

All professors arranging field trips for their classes in the Arboretum should inform the Executive Director of the dates and the number of students. This may be done by a single report at the end of the semester. Arrangements for the use of the class room building (Old Officers' quarters) will be made with the Supervisor. This building

Application for Arboretum Identification Card

To be presented to the Arboretum Supervisor, who will issue an identification card. Please carry this card with you when working on the Arboretum.

Name: _____

Status: _____

Type of use: _____

Area to be used: _____

Special requirements: _____

Period of use: _____

Date: _____ Sponsor: _____

5*

Stub	:	University of Wisconsin Arboretum Identification Card No: _____
To: _____ Date: _____	:	The bearer of this card _____
Name: _____	:	is entitled to use the Arboretum during the period _____
Sponsor: _____	:	_____ for the purpose of _____
Type of Use: _____	:	_____ especially in the area _____
Area: _____	:	He is (conducting independent research, working on projects _____,
_____	:	doing required work in course Dept. _____ No. _____) under
Period: _____	:	the sponsorship of _____
_____	:	Date: _____ Arboretum Supervisor _____

5*

5*

contains but few facilities, but it is of use on rainy days.

General rules for use by researchers and students

- a) Cars are to be parked only in the parking lots or at the headquarter area. Temporary stops between lots should not be off the paved roadway onto the soft, mowed shoulder of the road. Under no conditions are cars to be driven on the fire lanes. If the work requires the movement of heavy equipment, the Supervisor will determine the best way of handling the problem. Cars in the Grady tract are to remain on the marked roadway.
- b) Indiscriminate collection of plant or animal specimens, seeds, twigs, or other natural products is not to be encouraged. Where collection is part of a research program, such fact should be indicated in the application. Collection of materials for laboratory demonstration is definitely undesirable. In special cases, plots of ground may be allocated where such materials may be grown for this particular purpose.
- c) Fire is an ever-present danger on the Arboretum. Great care should be exercised by smokers, particularly on class field trips. Fires should be reported to the Town of Madison or City of Madison Fire Department (according to area - see map on back of cards) and to the arboretum Supervisor. Special warning signs prohibiting all smoking will be erected whenever fire danger is great. Full compliance with these prohibitions is expected of all users of the area.

D. Reports and records of research projects

1. Annual report

A brief report of research progress by all who have approved projects will be submitted to the Research Coordinator on June 1st of each year of the projects in response to a suitable advance notice. This report will indicate the nature of the work done without any great detail as to results. The form used by the University Research Committee

is a good model. The Research Coordinator will compile the reports of the individual projects into an annual Arboretum research report, copies of which will be sent to all participants. These reports are necessary to validate the existence of the Arboretum and illustrate its current use.

2. Final report

When any research project is completed, two copies of all results which are of direct value to the Arboretum records will be sent to the Technical Committee. By this is meant any records of land manipulation, of species collections, or any other information which will be of value to future workers on the area. If the project has been entirely or primarily conducted on the Arboretum, a published report of the work can properly be treated as an Arboretum publication, as indicated in the next section. If the Arboretum is only incidental to the projects, several reprints of the article are to be filed in the Arboretum records.

3. Arboretum Journal Series

Articles containing scientific or popular information about the Arboretum, and its flora and fauna, or about experiments conducted on biological material collected in the Arboretum, shall be numbered in a consecutive series, according to date of submission of the manuscript.

All such articles shall include the following footnote: Journal Paper No. __, University of Wisconsin Arboretum.

The proper number shall be assigned to each article upon submission of the manuscript to the Coordinator of Research. In case of any doubt as to the inclusion of an article within the Journal Series, the manuscript will be sent to each member of the Technical Committee for approval.

At the time final proofs are returned to the printer, a statement as to the author, title and number of pages of the article should be

sent to the chairman of the Regular Arboretum Committee, who will place an official order for 500 reprints with covers. The order will be facilitated, if the author includes a note as to the cost schedule for reprints from the particular printer concerned.

The supply of reprints will be in the custody of the Chairman of the Regular Arboretum Committee, who will send them to each person on the mailing list. It is hoped that these reprints eventually will be sent as supplements to subscribers of an official Arboretum Journal.

Articles published without a Series Number can be included in the official series only upon approval of the Arboretum Technical Committee.

III. Arboretum Records

An important part of the Arboretum Committee activities is the maintenance of complete and permanent records. The records include flora and fauna lists, phenology, microclimate, maps of soils, cover, topography and other features, planting records, research projects and reports, history, bibliography, and exchange lists and publications. Whenever possible, all records are to be kept in duplicate, with one set in the office of the Executive Director and one set in the office of the Research Coordinator. Further details about the various records are given in the following paragraphs.

1. Flora and Fauna lists

A complete inventory of all plant and animal species is to be developed. Suitable record cards and maps are maintained, on which each new discovery may be entered as made. At present, separate card files are available for vascular plants (850 species in 1948) and fungi (860 species in 1948), with sample cards attached. Considerable information is available on other plant forms, such as algae, lichens and mosses.

Animal records include phenology data, bird and mammal species, partial insect lists, and others.

These lists will be maintained by the Arboretum Botany and Zoology Assistants.

2. Phenology

A record of the weather of each year will be kept by means of the phenology of a selected group of indicator species, as shown on attached sample. The field observations necessary for the maintenance of this record will be made by the Arboretum Botanist.

3. Planting Records

All plantings are recorded on suitable cards (sample attached) showing source, type, date and location of planting. Their upkeep will be the responsibility of the Arboretum Supervisor.

4. Photograph file

An important phase of the Arboretum records will be the repetitive photographing of selected areas from known and fixed camera locations, so that a pictorial record of succession or development will be available. For similar purposes, the entire area should be photographed from the air at least every five years. The most experienced photographer on the Technical Staff in any year shall be in charge.

5. Maps

A complete file of all maps of the Arboretum or portions thereof shall be maintained in the records, by photographic copy if necessary. This file is the responsibility of the Arboretum Soils Assistant.

6. Research projects and reports

The Arboretum Supervisor will maintain a file of all projects, their initial and terminal dates, location and personnel, and reports available.

Bibliography

A complete bibliography of all published papers and unpublished reports will show the location of any papers not in the file.

IV. Administration Rules and Regulations

A. Synopsis of duties of Arboretum personnel

1. Arboretum Supervisor to be copied from existing records.
2. Arboretum Technical Staff

B. Procedure for expenditure of funds

1. Requisitions

All requisitions for supplies, planting materials and the like will be issued by the Executive Director.

2. Student Labor Payroll(Arboretum Extra Labor)

Students may be employed on an hourly basis for purposes approved by the Technical Committee. The student should clear with the Executive Director before beginning work. Monthly payrolls should be certified by the supervising Committee member and phoned to the Executive Director by the 1st of each month unless he directs otherwise.

3. Travel Vouchers

Regulation travel vouchers for all travel approved by the Technical Committee should be submitted to the Executive Director at least once a month.

ARBORETUM TECHNICAL COMMITTEE
Minutes of Meeting of April 12, 1949

Present: Emlen, Gallistel, Hasler, Hickey, Longenecker, Curtis.

Part III of the Arboretum Plan was discussed in some detail and numerous changes were suggested, all of which are to be incorporated in the next revision (copy attached).

The problem of increased population pressure (human) on the area during spring weekends was discussed. It was decided that the picnic shelter in the Camp Woods is incompatible with the educational and research uses of the area. Two alternative solutions were presented--remove the shelter, or fence the entire area. These will be offered to the full committee for final decision.

The relation of pheasant and rabbit research to the developmental plans for the area was discussed. Hickey will prepare a report showing possible integrations of these programs and indicating the general nature of the programs in the next two decades.

The names of two candidates for the potential positions of Arboretum Zoology Assistant--Mr. Herbert Levi and Miss Ruth Hine--were presented. Hickey will submit the names of two candidates for the Arboretum Wildlife Assistantships which will be vacant next year. In the event that only one assistantship becomes available, the position will be filled from this list of four candidates.

The present occupant of the residence at headquarters will be given six month's notice so as to free the building for use by one of the Arboretum Staff members.

J. T. Curtis

Arboretum Technical Committee

Minutes of Meeting of May 19, 1949

Present: Greene, Longenecker, McCabe, Muckenhirn, Curtis

The meeting was held at the Arboretum, with inspection trips to the Grady Tract and the central wooded area.

Actions:

1. Emlen's request for use of southernmost CCC barracks building for a house-mouse population study approved for recommendation to the Arboretum Committee.
2. Central road in Grady tract to be extended in such a way as to make a fire break between the oak opening and the more dense portions of the woods. The area will then be more easily protected from both accidental and prescribed burns.
3. Efforts will be made to extend the Lupine areas, now at the peak of their bloom.
4. The fence on the north side of the camp woods is to be located 20-30 feet south of the road and to run east as far as available materials will permit. When completed, an additional fence will be placed around the Camp Woods Shelter (wrapped around it). Adequate signs will be erected.
5. The fences in the Grady are to be repaired to prevent further depreciations by horseback riders.
6. It appears desirable to have a committee appointed to take up the entire question of signs, their wording, placement and design. The present complement is definitely inadequate.

7. Throughout the trip, the lack of proper patrol and enforcement of regulations was very apparent. The Technical Committee recommends that suitable steps be taken to increase the amount of police protection.

8. The path running Northeast from the shelter in the Camp Woods is to be extended across the road and back in a north-westerly direction to connect with existing paths in the Wingra woods. This will allow for a circle tour of the wooded area by classes or other groups without the necessity of backtracking.

Arboretum Committee Meeting

May 23, 1949

Present:

Members: Curtis, Dickson, Malen, Greene, Hasler, Hickey, Longenecker, McNeel, Muckenhirn, Trenk.

Guests: Dicke, Ellerson, McCabe, Nees, Partch

Malen's application for use of southernmost of the remaining CCC barracks for a study of house mouse populations was approved by the Committee.

Curtis moved that a fire lane in the Grady Tract be located so as to separate the oak opening (which may be burned on occasion) from the denser oak woods to the east. Motion passed.

Curtis moved that the fence to be placed in the Camp Woods along the public road be extended eastward this summer as far as available fencing supplies will permit. Motion passed.

Dickson moved that a committee of three be appointed to study need for arboretum signs and to make recommendations at next meeting. Mr. Gallistel to be requested to appoint committee. Motion passed.

The possibility of taking action to prohibit picnics in the Arboretum was brought up by Longenecker, but it was decided to defer any decision until the next meeting.

Curtis moved that the aquatic biologist (Nees) locate such tile lines in the East Marsh as are not required for road drainage purposes. These lines are to be located, plugged, and the location recorded on a map. Motion passed.

In view of difficulties of fluctuating and dropping water levels in the East Marsh it was suggested that Gallistel investigate the legal aspects of the problems engendered thereby.

Prof. Dicke spoke in opposition to the proposed blanket spraying of the city of Madison with DDT. Educational remedies were suggested but no definite action was taken.

McCabe brought up question of neglect in the proper handling of the Miles Tract at Lake Mills, including maintenance of the fence.

H.C. Greene
Secretary

Arboretum Committee Meeting

June 27, 1949.

Present:- Curtis, Emlen, Fassett, Gallistel, Greene, Hasler, Jackson, Muckenhirn, Trenk.

Max Partch and John Nees also present.

The motion was made that the Director of the Arboretum contact the Weed Commissioner on the subject of weeds in the Arboretum. It was suggested that he point out that under the conditions of non-disturbance holding in the Arboretum, some of these weeds will disappear in time in the course of natural succession. The motion was passed.

Curtis moved that David Archbold be appointed interim Arboretum Botanist for the months of July and August 1949 to succeed Partch who resigned as of July 1st of this year. Motion passed.

The drying-out of the East Marsh was discussed. Nees asked for Arboretum labor to reinforce dam at north end of Hasler's minnow ponds. Hasler moved that Director be advised of the necessity for immediate construction of a temporary dam at the north end of the minnow ponds. Motion passed.

Emlen stated that Dean Ingraham had advised him that prefab steel buildings would shortly be available to the University at very much reduced cost. Emlen would like to obtain one for his mice research, the building to be erected in the Arboretum. No action was taken on this proposal at this time, pending further information.

Trenk moved that the JULY 25 MEETING OF THE ARBORETUM COMMITTEE BE HELD IN THE ARBORETUM. Members to meet at 3:30 PM in the officers' quarters. Motion passed.

It was recommended that the Sign Committee take care of the production of a sign to be erected at the Miles Tract on the prairie near Faville Grove. It was also suggested that a sign be drawn up stating the Arboretum policy on picnics within the area.

Curtis gave a statement as to the general contents of Part III of the Arboretum Plan. The section on picnics was deleted. It was then moved that Part III be approved without further change. Motion passed.

Trenk pointed out advisability of educational efforts at the high school level on the part of the Arboretum. He believes that if high school students, especially those of the Madison area, were aware of the aims and purposes of the Arboretum there would be less trouble with the public than we experience at present.

Hasler moved that Nees be given permission to eradicate fish from the minnow ponds by use of rotenone. Motion passed.

ARBORETUM COMMITTEE MEETING

July 25, 1949

Present: Baldwin, Curtis, Dickson, Gallistel, Greene, Hasler, Hickey, Longenecker, Trenk.

Also present: Archbold (Arb. Botanist), John Catenhusen.

The meeting was held, beginning at 3:30 P. M., in the Arboretum. Trips were made to the old prairie where Curtis explained the new fire-lane setup, and showed some of the demonstration plantings of prairie species, and to the Grady Tract, where both woods and prairie area were visited. The group then visited the lagoons and ponds in the East Marsh where Hasler explained his operations and needs. Supper was eaten in the old officers' quarters, following which a brief business meeting was held.

Jackson moved that Bunn be requested to get in touch with Mr. A. W. Schorger to see whether Schorger will consent to serve as chairman of the Aldo Leopold Memorial Fund. Motion passed.

Longenecker moved that The Arbor Vitae Drive be posted so that tickets can be given for improper parking, and so that other misdemeanors may be curbed. Motion passed.

Curtis moved that Jacobson, the prospective Arboretum Superintendent, be offered the Arboretum house rent-free, including fuel, water, electricity and telephone, in addition to the \$3600 salary. Motion passed. In this connection it was pointed out that funds are available to make necessary repairs and alterations on the house.

Arboretum Committee Meeting

September 26, 1949

Present:- Bunn, Curtis, Emien, Gallistel, Greene, Hasler, Hickey, Jackson, Longenecker, McNeel, Muckenhirn, Trenk

Non-members present:- Jacobson, Nees, Retzer.

Mr. Jacobson, the newly hired Arboretum Superintendent, was introduced to members of the committee.

Bunn stated that A. W. Schorger is unable to head the proposed Leopold Memorial. Jackson stated that Mr. Thomas Coleman might be willing to under take the job, and it was agreed that Hickey would get in touch with him, since he (Hickey) knows Coleman personally,

The Arboretum Manual (mimeographed) was distributed to members of the committee, but Curtis pointed out that for public distribution it will be necessary to have an abridged edition of the Manual.

Hasler described treatment of fish ponds with rotenone to get rid of carp, and Nees explained desirability of building a gate on top of the dam, so constructed as to keep out carp of any size. Predators will supposedly take care of the rest.

Jackson stated that an $8\frac{1}{2}$ acre tract owned by people named Herring may become available to Arboretum.

Arboretum Technical Committee Meeting

October 4, 1949

Present:- Curtis, Emlen, Gallistel, Greene, Hasler, Longenecker
Muckenhirn.

Emlen is to supervise poisoning of area in Grady between Fitchburg Road and southwesternmost fire lane, in order to eliminate mice preliminary to another planting of acorns.

A standard form for Arboretum research reports (modified from that used for WARF reports) is to be used from now on and copies will be sent to all people with current projects.

Curtis stated that J. H. Zimmerman will continue Leopold's phenology work, as long as he (Zimmerman) remains at the Univ. of Wis. A card form, folded to 3 x 5 in. size, has been agreed upon. A new card will be used for each day that observations are made.

There was limited discussion of some of the research projects currently being carried on in the Arboretum:

The mosquito project centering in the Teal Pond area, and supervised by Prof. Dicke was approved, with reservations as to personnel. Dicke wants light traps constructed around some of the Arboretum buildings. This was approved, subject to confirmation that wiring has been adequately done.

Baaken's study of acorn mast will be completed, so far as field work is concerned, by Keith White, since pressure of other work prevents Baaken from doing so.

The following dates were set for police protection in the Arboretum this fall:

Every Saturday and Sunday in October and November, up through the first week in December, starting at 2 O'clock in the afternoon and ending at 7 P.M. in October and 6 P.M. in November and December.

Arboretum Committee Meeting

October 24, 1949

Present:- Curtis, Dickson, Emlen, Greene, Hasler, Jackson, Longenecker.

Non-committee members present: Jacobson, Nees.

Curtis outlined, for the committee, the matters which had been discussed at the last meeting of the Technical Committee.

The question of posting the Arboretum was gone into in some detail. It appears there is a possibility of obtaining, at a reasonable price, large numbers of standardized metal signs from the shops of the state penitentiary at Waupun.

Jackson outlined the present status of the land acquisition program.

Jacobson reported on the activities of the Arboretum labor crew since he began his duties as Superintendent on October 1. He emphasized the present inadequate fire protection and suggested remedial measures. He pointed out the desirability of having a small truck of some sort (possibly a jeep) capable of going anywhere on the area and of delivering a considerable quantity of water under high pressure. He also stated the urgent necessity for at least four more back pumps, and the Committee recommended that these be purchased as soon as possible. Jacobson further mentioned the great abundance of rabbits on the area and the matter of control was discussed at some length, but no definite action was taken.

Curtis moved that Gallistel be requested to get in touch with University Editor Clay Schoenfeld and ask the latter to go ahead with his condensation and popularization of the Arboretum Manual, for distribution to the public. Motion passed.

Curtis brought up the question of Arboretum Committee cooperation with the conservation Commission in the latter's program of natural area acquisition. Curtis stated that they felt that hitherto there had been a lack of cooperation from the University in the matter, but that they were willing to proceed further with the program if such cooperation could be assured in the future. This was referred to the Technical Committee for discussion and study.

Gallistel is requested to file complaint against Haen's sand and gravel-digging operation in the forty immediately east of the northwestern most forty of the Grady Tract, bordering on the Beltline highway.

Arboretum Technical Committee Meeting

November 7, 1949

Present:- Curtis, Emlen, Gallistel, Greene, Hasler, Longenecker,
Muckenhirn.

Professor J. G. Dickson will be requested to invite the Town of Madison firemen to the Arboretum for a rabbit shoot, for control purposes, the date to be determined later. It was agreed that publicity would be desirable to avoid misunderstanding on the part of the public, preferably soon after the event.

The Wisconsin natural area question was discussed at some length. Curtis pointed out that the Conservation Commission is willing to go ahead with the purchase of such areas, but is unwilling to maintain them unless they are adjacent to existing installations, e.g., Parfrey's Glen is administered from Devils Lake. Curtis stated that Mr. Harrington of the Conservation Dept. feels that the University of Wisconsin Arboretum Committee is the only logical agency to care for isolated natural areas. Gallistel suggested that the University administration be provided with a descriptive list of potential areas along with a map indicating their exact location, with other relevant details, such as possible local sources of supervision. Curtis suggested that every possibility of non-University management be explored, but that if such is not feasible the University should be prepared to assume management, providing it sanctions the program at all. Curtis will prepare a preliminary draft for the Arboretum Committee, previous to submission to the administration

As a possible natural area already under University control, Mr. Gallistel mentioned a wooded forty near Cambridge which would have the desirable feature of relative nearness to the University and also to the Aztalan State Park, administered by the Conservation Dept.

Arboretum Committee Meeting

November 28, 1949

Present:- Bunn, Curtis, Gallistel, Greene, Hickey, Longenecker, Muckenhirn, Trenk.

Jacobson reported on work done by Arboretum crew since the last meeting of the Arboretum Committee.

Gallistel presented a large map which showed the placement of the few scattered lots still to be acquired to fill out the Arboretum holdings in the "Lost City" area. It is anticipated that some of these which are tax delinquent can be obtained in the near future at a low price.

Gallistel reported on status of sand pit which has been operated by Mr. Haen, presumably in violation of zoning rules, in the forty just east of the Grady Tract and fronting on the Belt Line highway. It would seem that no definite action has been taken on the part of the authorities concerned.

Gallistel reported on a proposed alternative type of construction for the dam desired by Nees at Murphy's Creek and fish ponds. In stead of expensive metal bar construction proposed by Nees to raise the level of the present dam (the purpose is to keep out large carp which cannot be eliminated by predators and yet allow flow of water through the raised portion), Gallistel suggests that the same end can be reached much more cheaply by piling loose stone on top of the present dam which is entirely adequate to sustain this additional load.

Curtis reported briefly on last meeting of Technical Committee in which the question of cooperation of the University of Wisconsin with the Wisconsin Conservation Dept. in maintenance of natural areas acquired and to be acquired by the latter agency was discussed.

The perennial rabbit problem was discussed, and it was agreed that Jacobson will try setting out traplines, as an experiment to test the practicality of this method of control. Dickson was not present, so it was no known whether he has yet issued an invitation to the Town of Madison firemen for a rabbit shoot.

Arboretum Technical Committee Meeting

2 sessions: Dec. 9, 1949
Jan. 9, 1950

Present: (Dec. 9) Curtis, Gallistel, Greene, Hickey, Longenecker,
Muckenhirn, Jacobson.
(Jan. 9) Curtis, Greene, Hasler, Hickey, Longenecker,
Jacobson.

Dec. 9.

Curtis outlined procedure for approval of Arboretum research projects.

Emlen's project for nice dropping stations in Grady oak plantings approved.

Riker's project for oak wilt control considered. Trenching around disease areas not approved, but it seems that poisoning might be feasible. Further details to be requested from Riker.

Riker's project on rust-resistant cedars approved, except that his request for use of Arboretum funds in weed control cannot be met.

Wilde's soil project approved, with reservations as to location of stations, and driving on fire lanes.

McCabe's animal research projects approved, with the reservation that his catbird studies at the camp be completed in the summer of 1950, in order that strain garden may be installed as planned.

Meeting adjourned.

Jan. 9.

It was decided that action on McCabe's plant projects would be deferred until such time as he furnishes terminal dates for these projects, as requested by Hickey, to the Technical Committee. Curtis pointed out that regardless of what action might be taken, burning of the prairie next spring would be done as scheduled.

Curtis furnished a typewritten list of projects in being and projects scheduled, for approval for continuance or initiation as the case might be. This list is appended. Projects were approved, with reservations in certain cases as follows:

Ruth L. Hine - small mammal community study.---more information is desired, including names of mammals and kinds of traps used.

John T. Emlen--house mouse population studies--A terminal date should be set. The Arboretum does not undertake to make any major repairs on the building used.

A. J. Riker--growth and development of rooted white pine cuttings--The Arboretum cannot do any weed control work on this plot as requested, unless funds for the work furnished by Riker.

Wis. Conservation Dept.--carp project in Honeeum Pond--
since this seems to have been abandoned, information is to be requested
from the Conservation Dept. as to its present status, and as to whether
there is any prospect of its continuance.

R. J. Dicke-- Biolog. of mosquitoes of Arboretum--Approved
with reservations as to stations where traps may be placed, since no
definite locations were mentioned in request.

REQUESTS FOR USE OF ARBOPETUM FACILITIES

* - Approved

*# - Approved with reservations

John T. Emlen *

The use of dropping stations as a census method for small mammals

A. J. Riker *#

Study on the transmission and control of oak wilt

A. J. Riker *#

A study of (1) the susceptibility of certain cedar varieties to the cedar-apple rust fungus and (2) the inheritance of resistance to these varieties and their hybrids.

S. A. Wilde *#

Causes of depletion and methods of restoration of farm woodlot soils.

R. A. Brink *

Memorandum Regarding Breeding Stock

Robert A. McCabe

Animal Research *#

House wren life history study

Bluebird and tree swallow

Woodcock census

Semi-wild mallard study

Ostbird population and nesting

Experimental transplantation of yellow-headed blackbirds

Ring-necked pheasant study

Rabbit population study

Plant Research *

Prairie propagation studies

Spread of mature wild dug prairie plants

Tasapack reforestation

Wildflower reproduction check

Grass competition quadrats

Control of *Lonicera tatarica*

Curtis *

Antibiotic and antitoxic effect of native plant species.

Factors affecting establishment and maintenance of upland prairie grasses.

Effect of periodic burning on prairie plants.

Flower production by native ladyslippers.

Mast production by oaks.

Cottam *

Succession in an oak woods.

Lotus Simon *#

A. Evaluation of Census Methods for the Meadow Mouse, Microtus pennsylvanicus - Relation of Trap Density to Catch.

B. Evaluation of Habitat Factors, Especially Vegetation, as to Influence on Pattern of Distribution of Meadow Mice.

Arnold Bakken *

Fox Squirrel and Gray Squirrel Comparative Ecology Project.

Ruth L. Hine *#
Small mammal community study.

John T. Emlen *#
Responses of isolated house mouse populations to environmental manipulations.

A. J. Riker *
A study of the effect of weed control upon survival in pine plantations.

A. J. Riker *#
A study of the growth and development of rooted white pine cuttings.

H. C. Greene *
Establishment and Study of a Low Prairie in the University of Wisconsin Arboretum.

R. A. Brink *
Compatibility tests on Pinus resinosa

J. C. Neess *
Studies in the population biology of the bluntnose minnow
(Hyborhynchus notatus Raf.)

Study of wind-induced turbulence in the surface water of ponds,
and its effect on the distribution of plankton organisms.

Maintenance of populations of fishes in ponds.

Control of carp in an attempt to permit development of large aquatic plants.

G. W. Longenecker *
Establishment of oak woods from seed.

Bilac Desirability Studies

Ornamental Crab Apple Studies

Conservation Department
Carp project in Honeeum Pond

Forest Products Laboratory *
Food decay project

R. J. Dicke *#
Biology of the mosquitoes of the Arboretum

J. L. Retzer and R. J. Muckenhirn *
Long term soil profile changes

Arboretum Committee Meeting

January 30, 1950

Present:- Curtis, Dickson, Emlen, Gallistel, Greene, Hasler, Longenecker, Trenk.

Gallistel announced to Committee that sufficient funds have been made available for purchase of new truck, power saw and lawnmower. \$1500 has been received from Marschall Dairy Equipment Co., restricted to acquisition of land. One of the lots in the Lost City has been acquired and, with funds now in hand Gallistel stated that he hoped to be able to round out our holdings in the Lost City area. Most of the remaining lots are in their second year of tax delinquency, but have not yet been put up for sale for taxes. Gallistel has sent offers to purchase to the holders of these lots.

Curtis presented, for Committee approval, suggested addenda to the Arboretum Manual --1) outline of procedure for approval of research projects, 2) form for request for use of Arboretum facilities for research projects and 3) notification form to be sent to those with approved research projects. The addenda were approved by the Committee.

Curtis pointed out that there are currently 51 research projects in progress on the Arboretum, indicating the extensive use being made of the area.

Approximately 35 of the projects already approved, by the Technical Committee, either very recently or in past years were brought to change by the latter committee.

Curtis suggested that the Committee, at some time in the near future invite those people currently conducting or supervising research projects on the Arboretum (invitations to be restricted to staff members who are on a permanent or semi-permanent basis) to a dinner at which the aims of the Arboretum as relating to research would be explained, and at which questions could be answered. Certain members of the University administration would be invited.

H. C. Greene
Secretary

ARBORETUM TECHNICAL COMMITTEE

February 14, 1950

Present: Gallistel, Longenecker, Muckenhirn, Greene, Jacobson, Curtis

The rules and regulations to be printed on the back of the Arboretum map were discussed. Several changes were discussed. Longenecker will bring revised copy to meeting of February 20.

Further research projects were approved. These included five submitted by McCabe and one by Dicke. One additional project by McCabe will be explored further by Muckenhirn before approval is granted.

Plans for the meeting at which all persons doing research on the Arboretum will be briefed on the aims and functions of the area were discussed, but no action was taken.

The permit sub-committee will present a report at the meeting of February 20, at which time the allocation of space in the buildings will also be discussed.

J. T. Curtis
(for the temporarily incapacitated
Secretary - Dr. Greene)

Arboretum Committee Meeting

February 27, 1950

Present:- Curtis, Gallistel, Greene, Hasler, Johnson, Muckenhirn, Trenk, Jacobson.

Curtis presented copies of revised Arboretum regulations. A number of suggestions as to modifications and revisions were made, particularly in the section on picnicking which was eliminated insofar as direct working is concerned, but which was in effect retained by the decision to prohibit the building of any fires in the Arboretum. A further deterrent to objectionable practices in picnicking will be the enforcement of Regents' regulations concerning the prohibition of use of any alcoholic beverage of more than 3.2% on University property.

The following projects, with reservations as set up by the Technical Committee, were approved:

McCabe - Projects #36, 38, 39, 40, 43
Dicke (Econ. Entomol.) - Project #41
Enlen - Project #42 for redwing blackbird study.

Gallistel stated that Regents' consent had been obtained to buy remaining desired "Lost City" lots up to a maximum of \$50 per lot. Gallistel will get in touch with owners.

Muckenhirn pointed out the urgent necessity for an accurate base map of the Arboretum, so that valuable data on the soils of the Arboretum can be incorporated while Retzer, who made the survey, is still in Madison to supervise the work. This map will have to be based on the 1937 aerial photos, but Muckenhirn believes that a workable map can be produced. Curtis moved that this base map be obtained through the U. S. Forest Service, as planned. The motion was seconded and passed.

Arboretum Technical Committee Meeting

February 20, 1950

Present:- Curtis, Gallistel, Greene, Longenecker, Muckenhirn,
Jacobson.

Longenecker submitted a revised set of Arboretum regulations. With some modifications these will be submitted to the full Arboretum Committee for approval.

Longenecker submitted a form for Arboretum use permits drawn up by him. This will consist of books of cards and stubs. The cards will be of a size which can be carried in a billfold. Approved by the Technical Committee.

Jacobson presented a chart showing the present use of the various buildings on the Arboretum. Suggestions as to better and more efficient use of these were made by members of the Committee.

Muckenhirn reported on the results of a conference with McCabe concerning handling and termination dates of the latter's plant projects.

Arboretum Technical Committee Meeting

March 6, 1950

Present:- Curtis, Gallistel, Greene, Hasler, Hickey, Longenecker,
Muckenhirn.

Most of the meeting was devoted to discussing details of the Arboretum budget for fiscal 1950-51.

Curtis and Ahlgren submitted a request, in connection with their project Arb. 50:19 on agricultural applications of some of the prairie grasses, for use of two additional acres immediately to the east of their currently planted area. As in the case of the earlier planted area, the addition would be left in prairie grass, following completion of studies, as a permanent addition to the prairie. The request was approved.

Curtis provided a complete numerically arranged list of approved research projects, many of them already under way. It is planned to submit this list to interested members of the University administration sometime in advance of the projected spring meeting with them on the Arboretum grounds.

Emlen's name was inadvertently omitted from the list of those present at the Technical Committee meeting of February 20th.

Arboretum Technical Committee Meeting

March 14, 1950

Held at the Arboretum Headquarters Area

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker, Muckenhirn, Jacobson.

The meeting was held primarily to inspect the buildings presently standing in the Headquarters Area, with a view to determining which are now or potentially useful, and which can be immediately torn down.

To be torn down as soon as feasible are the easternmost large shed on the north side of the road, and the small square building on the south side of the road near the coal pile.

The old bath house was carefully looked over to see what can be done about converting it to a series of laboratories for use of research workers with projects in the Arboretum. Various alterations were suggested and approved, and it is expected that work on this will be started this spring.

Other buildings inspected were the combined toolhouse and garage, the large barn east of the toolhouse, one of the barracks now used for storage, and the officers' quarters barracks, now used as an indoor meeting place for various groups on the Arboretum.

It was suggested that the partition in the center of the officers' quarters building be removed, and it is planned to install kitchen facilities in the east end of the building.

Through the kindness of Mrs. Jacobson, refreshments, including much needed hot coffee, were served at the close of the meeting.

Arboretum Technical Committee Meeting

March 21, 1950

Present:- Curtis, Greene, Jacobson.

Because of lack of attendance no formal meeting was held.

However, since Mr. Jacobson is one of the persons most concerned, plans for the coming prairie burns were discussed with him, and tentative arrangements made. The Arboretum crew of 7 will return on Monday, April 3rd and it was agreed that the burning must be done as soon as possible thereafter. It was further agreed that the supply of certain items of equipment, especially mop handles to be used in making beaters, should be expanded. Curtis outlined in a general way a procedure for notifying wildlife, zoology and botany students, who would be interested in assisting in the burning, as to when the burning will be done. This will be done by notifying classes as to plans for burning, and alerting the classes to watch for notices on the dept. bulletin boards as to the time of the actual burn. Transportation will be provided from the University to the Arboretum.

H. C. Greene,
Secretary

Arboretum Technical Committee Meeting

March 24, 1950

Present:- Curtis, Gallistel, Greene, Hasler, Hickey, Jacobson.

Brink's project for establishment and maintenance of a collection of pine species, for breeding purposes, in a 20-acre plot in Area 67 was unanimously approved by the Committee.

Curtis presented a proposed covering letter to go with the serial listing of current research projects. Hickey suggested that in addition a tabular summary of projects by type be included. Also suggested including a final paragraph in the covering letter inviting more applications for new research projects on the Arboretum. Both suggestions approved. This material is to be sent to all having projects on the area, to heads of departments having members with projects, to various University administrative officials, to the Wisconsin Conservation Dept., and to the Lake States Forest Experiment Station.

Curtis appointed three subcommittees as follows:

- 1) A subcommittee to determine numbers of reprints of the Arboretum Journal Series now on hand, and to revise the Arboretum mailing list and bring it up to date. Greene (Chairman), Hasler, Hickey.
- 2) A subcommittee to examine the feasibility of the Arboretum Committee acting as agent with primary responsibility for Natural Areas to be acquired by Conservation Dept., but located at points removed from the Conservation Dept. Administrative set-up. Muckenhirn (Chairman) Curtis, Emlen.
- 3) A subcommittee to seek and suggest appropriate names for the various areas within the Arboretum not having any definite appellation. (The Noe Woods is an example of a tract that does have such a name.) Gallistel (Chairman), Curtis, Longenecker.

It was decided that laboratory space, soon to be set up in the old CCC bath house, will initially be available to members of the Arboretum Committee and their students.

Emlen has requested the use of the small square building near the coal pile (slated to be torn down or removed). Action on this was deferred since Emlen was not present to give details as to proposed usage.

It was tentatively decided that some additional parking facilities are desirable, particularly in the long stretch between the Mills St. entrance parking space and that on the hill above the Wingra Woods. Actual location will be decided upon after an inspection on the ground.

Curtis brought up the question of the prairie burning. Equipment on hand and needed, organization procedure, actual method of conducting the burns, and other points were discussed in detail. Both the Town of Madison and the City of Madison Fire Depts. are to be notified.

Longenecker and Jacobson will undertake the responsibility of seeing that Arboretum signs are altered so as to indicate that fires are not permitted on the Arboretum.

Permit forms have been promised by Prof. Longenecker at an early date. These will be needed in the immediate future.

Arboretum Committee Meeting

March 27, 1950

Present:- Curtis, Greene, Hasler, Hickey, Longenecker, McNeel, Trout, Jacobson.

Prof. Brink's Arboretum Research Project Arb 50:45 having to do with the establishment of a collection of trees for breeding purposes (in the east part of Block 67), already approved by the Technical Committee, was given final approval. This project, by its very nature, has no termination date.

It was moved and seconded that Curtis and Longenecker be empowered to choose and to establish such new parking areas as may be needed to facilitate the use of the Arboretum by research workers. There is particular need for such areas in the section between Mills St. and the parking space above the Wingra Woods. The motion was passed. These areas will be marked to indicate that they are to be used only by those with parking permits.

Longenecker stated that the permit forms for student research workers will be ready shortly.

Longenecker, Jacobson and Greene are to plan and have made as soon as possible a series of new signs, the need for which is especially pressing in view of the various new regulations recently adopted.

Arboretum Committee Meeting

April 24, 1950

Present:- Dickson , Emlen, Gallistel, Greene, Hickey, Longenecker
Jacobson, Retzer.

Gallistel announced that members of the University of Wisconsin Board of Visitors were interested in making a morning visit to the Arboretum on Friday, May 12. It would necessarily be held early as the Board of Visitors has a joint meeting with the Board of Regents at 10:15 that morning.

Gallistel read some letters relevant to lots desired by the Arboretum in the Lost City area, but none of the owners were willing to sell for the \$50 that the Arboretum is authorized to pay.

Various general matters were discussed, but are not entered in these minutes since no formal action was taken.

Arboretum Technical Committee Meeting

May 5, 1950

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker,
Muckenhirn, Jacobson.

Professor Robert McCabe (Dept. of Wildlife Management) in a letter to Curtis made proposals relative to raising water levels in the East Marsh area. The problem was discussed at some length but no definite action was taken except that Jacobson was directed to plug an opening known to be now in the base of the dam at the north end of the lagoons in that area and that check dams will be built at locations I, IV, V, VI, and VII which will not affect the water level in the main pond. Gallistel will investigate various angles, including the permissible high water level, as per previous agreement with the Public Service Commission, as it concerns residents of the plat to the south of the east Marsh, especially.

Curtis brought up subject of visit to the Arboretum by interested University Administrative officials and those concerned with the direction of research projects on the Arboretum. It was agreed that this visit should be made, if possible as a luncheon meeting, and Gallistel appointed Curtis in charge of a subcommittee for arrangements. No definite date has as yet been set, although June 7 was suggested.

ARBORETUM MEETING
12 Noon June 28, 1950

Present: J. T. Curtis, J. G. Dickson, A. F. Gallistel, Joseph Hickey,
J. R. Jacobson, G. W. Longenecker, R. J. Luckenhirn and
F. B. Trank.

Curtis submitted a pine conversion project for approval. He explained that this project was one which had been submitted to the Tec. Com. by Fred Trank and had been approved by them. The study will use about 18 acres of land to the north of the present Jack Pine planting. It was moved by J. Dickson that the project be approved. Seconded by Curtis and passed.


It was moved by Longenecker that Wakelin McNeel's resignation from the Arboretum Committee not be accepted. Seconded by J. Hickey and passed.

It was proposed by Fred Trank that McNeel be asked to do a series of radio programs over WHA interpreting the arboretum.

The wash from the outer belt line was discussed. Longenecker to contact Jones of the Highway Dept.

It was moved by Curtis that the area from the Nursery to the Bee Woods be fenced. Seconded by Longenecker and passed.

The meeting was adjourned at 1:10 p.m.


G. W. Longenecker
Acting Secretary

ARBORETUM COMMITTEE MEETING

July 26, 1950

Present: Bunn, Curtis, Dickson, Gallistel, Greene, Longenecker, Jacobson.

Gallistel read a letter from Wakelin McNeel agreeing to maintain his connection with the Arboretum Committee. In substance, the letter was a declaration of McNeel's interest in furthering the Arboretum program through the medium of radio.

Gallistel presented material concerning the problem of a right-of-way into the University-owned and Arboretum-supervised Miles Tract on the Faville Prairie near Lake Mills. The documents were given to Professor Bunn for inspection and his opinion.

Curtis inquired about possibility of purchasing a Fordson tractor with hydraulic lift for the Arboretum. It was agreed that such purchase should be attempted and bids sought.

Curtis suggested that the Arboretum Committee, through the Chairman, get in touch with the proper officials of the Conservation Dept. to see whether there is any possibility of having the Flambeau Forest renamed The Aldo Leopold Wilderness Area. It was agreed that this should be done.

92.12.1

Arboretum Committee Meeting - Aug. 30, 1950

Present: Bunn, Curtis, Gallistel, Greene, Muckenhirn
Jacobson, Clay Schoenfeld.

Mr. Schoenfeld attended the meeting for the purpose of discussing the preparation of the revised Arboretum Manual, to be issued to the public. Mr. Schoenfeld will supervise publication of the popular version.

It was decided that there will be required a report from each individual supervising research carried out in the Arboretum. This will include both current and past projects and should be detailed to enable editing. Emphasis in the revised manual should be laid on what the layman can see. Emphasis should likewise be laid on what the Arboretum will continue to mean to the state and University in general. Also to be furnished to Mr. Schoenfeld is a list of Arboretum publications. It was suggested that it would be desirable to have a short outline of the geological history of the Arboretum area. It is hoped that these reports and other information can be in Mr. Schoenfeld's hands not later than October 15th.

Curtis brought two new research projects to the attention of the Committee for its approval: 50:47 A study of the spermophile population in the mowed areas along the Arboretum road, submitted by Hickey. Approved. ---50:48 A study of the range of variation in midwestern perennial gentians by C. T. Mason of the Botany Dept. For the present, this will require the use of some space in the fenced-in nursery immediately south of the superintendent's house. Approved.

Jacobson brought up the question of purchase of another tractor with attachments. He was instructed to go ahead with the preliminaries and obtain further information.

H. C. Greene
Secretary

Arboretum Committee Meeting

October 25, 1950

Present:- Cottam, Curtis, Dickson, Emlen, Gallistel, Greene, Hasler, Hickey, Longenecker, Muckenhirn, Trenk, Jacobson.

Gallistel will seek funds, approx. \$2000, for finishing the laboratory at the Arboretum as soon as possible.

Gallistel brought up question of going back to evening meetings for the winter months. It was finally decided that, for the time being, the committee will meet in the evening on the third Monday of November, followed by a noon meeting on the third Wednesday of the next month in which a meeting is held (The third Wed. in December falls on the 20th during the Christmas recess) and so on with alternate evening and noon meetings.

Gallistel read a letter from R. McCabe of the Dept. of Wildlife Management protesting the removal of trees and shrubs along a former fence row at the onetime eastern boundary of the Arboretum prairie lying south of the Beltline Highway. It was pointed out that this was indicated in the Master Plan and that interested parties had had ample opportunity to inspect this and lodge protests, if they so desired.

Trenk suggested that the committee try to find out in advance whether proposed developmental changes will interfere with teaching in any of the various departments which use the Arboretum for this purpose.

Gallistel suggested that interested individuals be asked to inspect Master Plan, pointing out, in writing to the Committee, changes which they consider may interfere with their proposed use of the area, so that, if possible, arrangements may be made which will be satisfactory to all parties concerned. Moved and approved.

The project submitted by Dr. Hole of the Soils Dept. was explained by Muckenhirn. This would involve digging sizeable pits, at designated points, for soil interchange studies and burying gypsum blocks for soil moisture studies. Project was approved and designated as Arb. 50: 49.

Members are urgently requested to prepare accounts of their projects and research for Clay Schoenfeld as soon as possible. As you will recall the edited accounts are to be incorporated in the popular version of the Arboretum Manual. They should be sent to J.T.Curtis for compilation by the Technical Committee at the earliest possible date.

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Arboretum Technical Committee Meeting

November 3, 1950

Present:- Curtis, Emlen, Gallistel, Greene, Hasler, Mickey,
Longenecker, Muckenhirn, Jacobson.

Mr. Newberry, Arboretum Soils Assistant, was introduced by Muckenhirn, and informed the Committee as to the location of the stations chosen for the 200-year, long-term soils development project (Arb. 50:35). The work is being initiated with four stations on upland, well-drained Miami soils. Three of the stations were picked with reference to the vegetation type which it is expected will be maintained on them, the other one is on formerly cultivated land not at present being manipulated in any other way. Locations given are in accordance with the Arboretum sectional map:

- 1) Prairie -- S82-7. Just north of main pine plantation in an area now planted to big bluestem.
- 2) Pines ---- S82-10. In pines near N edge of the main plantation.
- 3) Deciduous woods - S58-2. Camp woods, just to S of Arb. Drive.
- 4) Formerly cultivated - S58-3. Just to E of the parking space at Wingra Springs woods.

A circular area 30 feet in diameter will be required, and this area will be subject to study over the years, as outlined in the project application in the Arboretum files. Curtis moved that these locations be accepted and recorded. Muckenhirn seconded. Passes unanimously.

Considerable time was devoted to a discussion of the continuity of Arboretum policy over the years since the establishment of the Arboretum, and its relations to teaching and research personnel of the University.

H. C. Greene
Secretary

January 11, 1951

MINUTES OF ARBORETUM COMMITTEE MEETING
Held on December 20, 1950 - 12 Noon

Members Present ; Professors Charles Bunn, Grant Cottam, John T. Curtis, John Dickson, John T. Emlen, A. D. Hasler, Joseph Hickey, G. Wm. Longenecker, Robert J. Muckenhirn, F. B. Trenk; Dr. H. C. Greene; Messrs. Gallistel and Jacobson

Members Absent: Dr. I. L. Baldwin, Mr. J. W. Jackson

Professor Longenecker displayed copies of Arboretum Soils map.

Mr. Gallistel reported that the Governor has approved purchase of two more of the comparatively few lots remaining to be acquired in the Lost City Area (owners sold at Arboretum price). He stated further that it appears probable that funds will be available for the purchase of a new tractor, provided the machine can still be obtained.

Curtis inquired about extensive digging and removal of sand from pit on Haen property. Gallistel stated that this was being done for Highway Department purposes.

The Committee tentatively approved relocation of the curve in the Fish Hatchery Road opposite the southeast entrance to that part of the Arboretum lying west of the Fish Hatchery Road. This would involve a partial straightening of the curve by shifting the road somewhat to the east. Since the Arboretum owns the land on both sides of the road at this point, the new right-of-way would cut into the arboretum on the east, but there would be a compensating gain on the west. There was a brief discussion of a new formal entrance to be developed at this approach to the Arboretum, and it was pointed out that the grading could and would be carried out in connection with the road relocation.

Dickson brought up the subject of a land deal proposed by Mr. Kenneth J. Slane, Route 3, Madison, whereby a rectangular strip of approximately 12 acres just to the south of the Lake Forest Plat and between it and the C&NWRR would be made over to the Arboretum for various considerations, including the assumption of a mortgage and the deeding over of certain lots near the old Lost City pumphouse in exchange. Dickson stated that Mr. Slane wished to acquire these lots for use as land to be rented out for gardens. It was agreed that this proposal should be considered and further details obtained.

71 2 1951

Arboretum Technical Committee Meeting

February 19, 1951.

resents:- Curtis, Gallistel, Greene, Longenecker, Jacobson.

Curtis brought up the matter of the form of Arboretum research reports. He proposed, in the absence of notice of termination of a project and of any adverse circumstances, to consider projects as being automatically renewed upon receipt of the annual progress report to the Research Coordinator. His suggestion was approved.

Curtis stated that a recommendation for control of oak wilt within the Arboretum had been received from Prof. Riker of the Dept. of Plant Pathology. Action on this has been deferred in the belief that satisfactory methods of control for oak wilt have not yet been worked out.

Approval of Emlen's project for evaluation of his census method for meadow mice, by means of a method employing radioactive phosphorus was temporarily deferred until the Feb. 21st meeting of the full Arboretum Committee. This work would be carried out in the north part of the West Marsh in the area between Monroe St. and the stream leading from the Nakome Golf course to Lake Wingra.

Curtis pointed out that scientific papers resulting from work carried out entirely, or in large part, on the Arboretum should, in most cases at least, be entered in the Arboretum Journal Series. Gallistel stated that in all cases where facilities made available by the Arboretum have played a measurable part in the publications credit should be given to the Arboretum whether or not the papers are included in the Journal Series.

Longenecker and Curtis are to work out plans for increase in number of Arboretum parking areas to facilitate the work of those doing research in the area. A permit system will be used and the new areas will be posted to that effect.

A new project submitted by Curtis and Archbald (Arb. 51:50) on the effect of native legumes on the establishment of prairie grasses on upland soils (adjacent to the plots now being used for prairie grasses by Ahlgren, Curtis, and Robocker) was approved and will be submitted to the full Arboretum Committee.

Curtis brought up the matter of the Master Plan for the prairie. He pointed out that a great deal of time and effort had been put into this, and stated that he desired to obtain approval of work so far done before proceeding to the development of large permanent maps which will require much additional time and work. This approval was given.

The removal of the old barracks which are just to the south of Jacobson's house will be recommended to the Arboretum Committee. This building is in poor shape and it is not felt that any use which might be obtained from it would warrant the cost of repairs.

E. C. Greene
Secretary

Arboretum Committee Meeting

February 21, 1951

Present:-Cottam, Curtis, Dickson, Emlen, Gallistel, Greene, Longenecker, Jacobson, Nees.

Curtis stated that all except three of the research projects in being on the Arboretum in 1950 had requested renewal and that these had been approved by the Technical Committee. A total of 45 renewals were approved by the Arboretum Committee.

Emlen's project (Arb. 51:20) has been altered to include a request for an extension of the area used to include that portion of the West Marsh between Monroe St. and the stream which runs from the Nakoms Golf Course into Lake Wingra. Emlen wishes to obtain an evaluation of his census method for meadow mice by means of a method employing radioactive phosphorus. This extension was approved.

Curtis reported on the activities of the Natural Areas Committee set up in the fall of 1950. A bill for creation of a Natural Resources Board with membership drawn up from appropriate state agencies and with adequate powers to designate natural areas has been prepared and has been introduced for legislative action.

A new project (Arb. 51:50), submitted by Curtis and Archbald, having to do with the effect of native legumes on the establishment of prairie grasses on upland soils was submitted for approval, following same by the Technical Committee. Approval was granted. This will involve use of areas adjacent to the plots currently being used for prairie grass studies by Ahlgren, Curtis and Robocker.

Gallistel read letter from McNeel concerning possible subjects for radio broadcasts about the Arboretum. Suggestions included 1) History of Arboretum, 2) Work being carried on in the Arboretum, 3) Use of the Arboretum by the public, 4) Lilac time at the Arboretum, 5) Walks through the Arboretum, 6) Other great Arborets of the U.S. and the contributions that they are making. The Committee felt that these were all timely and appropriate subjects and would be of great value in presenting the aims and purposes of the Arboretum to the public, especially in view of Prof. McNeel's national reputation and wide experience in the field of radio interpretation of naturalistic subjects.

Gallistel read notice from the Highway Commission regarding controlled access from the new Beltline Highway. No access is available to the Grady Tract from the north side on the highway. For convenience of mowing equipment and as an emergency fire entrance, Gallistel will request the Highway Dept. to complete the grading job in front of the north gate on the Fitchburg Road (50 yds. south of the Beltline). This will probably require installation of a culvert. At present this gate is scarcely usable.

Gallistel brought the plan for the new Arboretum lab (the converted former CCC bath house) for examination by interested parties and suggestions as to use of space and possible desirable changes. Several suggestions were made and duly noted.

H. C. Greene
Secretary

Arboretum Committee Meeting

March 19, 1951

Present: Curtis, Dickson, Gallistel, Greene, Hickey, Jackson, McNeel, Muckenhirn, Jacobson.

Gallistel outlined offer received from Mr. Haen relative to sale of property on Belt Line Highway and adjoining Grady Tract on the east. It was felt the price was too high, but Gallistel will look further into the matter, especially with a view toward the possibility of a land trade, in lieu of, or supplementing a full cash payment.

Gallistel stated that the Highway Dept. has agreed to install a culvert adjacent to the gate on the Fitchburg Road near the Belt Line, thus allowing for convenient access to the upper part of the Grady Tract.

Curtis brought up the question of the demolition of the old CCC to the south of Jacobson's house, and between it and the nursery. No opposition was expressed, although a formal vote on the matter was not taken.

Curtis showed Kodachrome slides of the April 1950 burning of the old prairie (taken by Prof. Cottam), as well as a set of slides taken in August 1950 in the same area at the height of the flowering season, illustrating the beneficial effects of the removal of the heavy mulch which had overlaid the old prairie. Greene showed Kodachrome slides, mostly close-ups of individual prairie species taken on the Grady prairie in the summer of 1950.

H. C. Greene
Secretary

Arboretum Technical Committee Meeting

March 21, 1951

Present: Curtis, Emlen, Gallistel, Greene, Hickey, Longenecker,
Muckenhirn, Jacobson.

Meeting was called for a discussion of the Master Plan for the Arboretum prairie, drawn up by Curtis.

Longenecker suggested some minor location changes in fire lanes and trails and these were accepted and approved.

Curtis recommended that there be made a study of the possibility of diversion of run-off water from the Beltline Highway. This was approved.

In the Master Plan it was proposed that drains, ditches, and tile lines on the old prairie be plugged to bring about more favorable conditions for low prairie maintenance. Muckenhirn questioned the advisability of this, especially in regard to the tile lines. It was agreed to first plug drainage-ways and ditches, and not to plug tile lines unless it becomes apparent that this will be beneficial.

Approval was given to the other principal features and recommendations of the prairie Master Plan.

Curtis showed the plan of the new Arboretum Laboratory, pointing out the space allocation granted to the Dept. of Botany, and suggesting that other interested parties apply in the immediate future for space grants.

H. C. Greene
Secretary

Arboretum Committee Meeting April 18, 1951

Present: Bunn, Curtis, Dickson, Gallistel, Greene, Longenecker, Trenk, Neess.

Curtis presented the Arboretum Master Plan for development of the large Arboretum prairie (The Grady sand prairie is not dealt with in this plan). The text of the copies of the plan was accompanied by detailed maps.

Curtis explained reasons for certain minor changes in the boundaries of the prairie and in the location of fire lanes, as indicated on the maps, and moved that these be approved. Motion passed.

Dickson brought up the question of the use by Prof. Riker of 2 acres in the Slane property in Lake Forest (a piece for which the Arboretum is negotiating, but has not yet acquired) for hybrid poplar plots. After considerable discussion it was decided that, in order to avoid complications, it would be best for Prof. Riker to arrange for rental of the land until such time as it is incorporated within the Arboretum.

Dickson stated that Prof. Riker wishes to use a part of the patch of aspen in the East Marsh, lying west of the northernmost minnow pond, in a study aimed at finding trees resistant to Hypoxylon pruina canker. The source of the pathogen would be strictly limited to the immediate Madison locality, so as to avoid the possible introduction of strains more virulent than those already in the region and thus endangering the aspen stand within the Arboretum. It was also felt that any other proposals for infection work with pathogenic fungi on the Arboretum should receive careful individual scrutiny, and that approval of one such project in no way implies blanket approval of others. It was suggested that the project dealing with the Hypoxylon canker, subject to the limitations outlined, be submitted to the Technical Committee for approval.

Curtis moved that "Arboretum Drive" signs be removed from the north side of Carver Street in the east part of the Arboretum, since it is doubtful that the University has any right to post this, and since it tends to lead to confusion with the main Arboretum road which is thus posted. Motion approved. The University police dept. is to be notified by Gallistel that these signs are Not to be replaced.

Curtis stated that it would be highly desirable to start the intensified patrol of the Arboretum as soon as possible in anticipation of the annual spring public pressure on the area. Gallistel agreed to arrange for this.

H.C. Greene
Secretary

Arboretum Technical Committee Meeting

May 1, 1951.

Present:-Curtis, Gallistel, Greene, Hasler, Longenecker, Neess.

Meeting was called primarily to pass on certain newly set up research projects.

Arb. 51-52. W. J. Woodman, Econ. Entomology. Biology and distribution of Mallophaga. Approved, with reservation that limits are to be set as to the areas to be used.

Arb. 51-53. E. P. Buchholtz, Agronomy. Improvement of Upland Game Bird Cover and Food Supplies. Requested four different plots in the Carver Drive (East Marsh) area. Chemical agents for killing nettles and agents for killing grass to be studied. Two nettle areas, but only one blue grass area approved. The latter is to be handled so as to prevent erosion, and the spray must be kept off the fish ponds in the vicinity. Approved, with the limitations specified.

Arb. 51-54. A. J. Riker, J. E. Kuntz and K. R. Shea, Plant Pathology. Aspen canker project, using local strains of Hypoxyton pruinaum. See minutes of general Arboretum Committee Meeting of April 18, 1951 for details. Approved, with the reservation that the old aspen only will be used, and that the work will be kept at a distance from the old Capitol Drive road.

Hasler, at the request of Neess, brought up the question of maintenance of suitable water levels in the East Marsh area. It was pointed out that water level can be legally maintained only at level of spillway. After considerable discussion it was agreed that the drain at the base of the dam should be closed and that the dam may be extended southward along the west bank of the minnow pond.

Neess wants to erect some sort of protective structure in minnow pond area for purpose of housing recording and other instruments. This was approved with the understanding that it is to be situated in an inconspicuous spot.

Prof. Riker wishes to add plots for small trees of Juniperus virginiana to the hybrid poplar plots in the property to be rented from Blane. Approved.

H. C. Greene
Secretary

Supplement - May 1, 1951

Arb. 51:51 Use of mowed marsh-grass as a control for nettles on
(New) drained muck soils. J. G. Dickson, Plant Pathology, and
H. L. Ahlgren, Agronomy.

Various species of marshgrass are to be planted and managed by mowing in an effort to control nettles on the partially drained and burned muck lands of the East Marsh.

Arb. 51:52 Biology and Distribution of Mallophaga. R. J. Dicke,
(New) Economic Entomology, and J. T. Folen, Zoology. (W. J.
Woodman, assistant).

A study of certain bird-lice and their host relations, to be made by live trapping various species of wild birds. All birds other than sparrows will be banded in the course of the work.

Arb. 51:53 Improvement of Upland-Game-Bird Cover and Food Supplies.
(New) K. P. Buchholtz, Agronomy (K. Hamilton, assistant).

Trial plots to study the effect of chemical herbicides on removal of nettles, blue grass and quack grass in an attempt to improve the diversity of cover for game birds.

Arb. 51:54 Study of poplar canker (*Hypoxylon pruinastrum*) on trembling
(New) aspen. A. J. Riker and J. E. Kuntz, Plant Pathology (K.
R. Shea, assistant).

Investigation of seasonal aspects of infection, rate of spread of disease, and possible disease resistance, using strains of the pathogen isolated from trees on the Arboretum.

Arboretum Committee Meeting

May 21, 1951

Present:- Cottam, Curtis, Dickson, Greene, Hickey, Longenecker,
Muckenhirn, Trenk, Jacobson.

Gallistel's office presented letter from Mr. Sokoloski (promoter of Westwood between Seminole Highway and Arboretum Noe Woods) requesting that Arboretum cooperate with him in causing to be vacated the west end of the former east-west portion of Seminole Highway, adjacent to Westwood, and already blocked by a barrier. Curtis moved that this be done. Passed.

Curtis distributed to the members of the Committee a 7-page summary of Arboretum Research Projects as of March 1st, 1951, including three projects which were terminated in 1950. Three new projects, approved by the Technical Committee, were submitted for approval, which was granted for all. These are: Arb. 51-52. Biology and distribution of Mallophaga. W. J. Woodman, Econ. Entomology; Arb. 51-53. Improvement of upland game bird cover and food supplies. K. P. Buchholtz, Agronomy; Arb. 51-54. Aspen canker project, using local strains of Hypoxyylon pruinaum. A. J. Riker, J. E. Kuntz, and K. R. Shea, Plant Pathology. In addition to this, Riker had requested and the Technical Committee approved, that a plot of red cedar (for the purpose of apple rust resistance studies) be added to the land he is renting from Slane and which will presumably be acquired by the Arboretum. Approved. The Dept. of Wildlife Management was granted permission to extend the stations for boxes for its bluebird-tree swallow studies about the full perimeter of the prairie area.

Muckenhirn stated that the Soils Dept. is hiring a new man who will be much interested in Arboretum projects. He further stated that, because of an increasing load of administrative duties, he is unable to continue as a member of the Technical Committee. He was prevailed upon to remain on the general Arboretum Committee. Since it appears desirable to have a representative of the Soils Dept. on the Technical Committee, it was moved by Longenecker that F. D. Hole be appointed to the Arboretum Committee. Gallistel will be asked to approach Pres. Fred concerning this appointment.

Curtis moved that an adequate fire lane be placed along the south side of the pine plantation adjacent to the Beltline Highway, where a definite fire hazard now exists. It was further stipulated that this be the first order of business after the planting season. Passed.

H. C. Greene
Secretary

COPY

June 16, 1951

Dr. John J. Curtis

Dear John:

The casual reconnaissance surveys for small mammals with dropping boards on the East Marsh (behind the willows) has developed into a regular operation with the discovery of a good local population of *Microtus*. I am embarrassed that this happened without proper registration with the Technical Committee. Please let me register it pronto. It is an extension of project Arb. 50: 20 with Lotus Simon in charge. She has released a mouse injected with P38 and is now following its movements over a one acre grid of dropping boards. This shift of site was made after repeated surveys on the west marsh revealed an absence of *Microtus* there this spring.

I tried to reach you by phone and finally learned through Grant Cottam that you were out of town until July 1. I'm leaving Monday 6/18- so will not be able to see you. Lotus Simon can answer any questions.

Best wishes for the summer

John Emlen

JE/lwc

File

Arboretum Committee Meeting

June 20, 1951.

Present:- Cottam, Gallistel, Greene, Longenecker, Trenk, Jacobson.

Longenecker presented project submitted by Emlen - Zoology Dept.- for further studies on the meadow mouse, Microtus pennsylvanicus, the project entitled "A study of high population density as a stress factor, and its role in cyclic population fluctuations of Microtus pennsylvanicus". This was approved, with the reservation that all work in the Grady Tract would be confined to that area south of Riker's plots and to the west of the fire lane which starts a short distance below the Riker plots and thence runs southwesterly to the railroad right-of-way. Longenecker had prepared a map showing the areas to be used and the secretary, in the absence of Curtis, was asked to submit map and explanatory letter of approval to Prof. Emlen, which was done.

Arboretum Committee Meeting

August 15, 1951.

Present:- Cottam, Curtis, Dickson, Gallistel, Greene, Hickey,
Longenecker, Muckenhirn, Trenk, Jacobson, Catenhusen, Nees.

Curtis reported on the situation regarding natural areas in Wisconsin. He pointed out that the newly designated State Board for Preservation of Scientific Areas will have the duty of inspecting proposed Natural Areas and reporting on them, with recommendations, to the Conservation Commission. As of August 15, the Board is not yet active, but the first order of business will be the setting aside of Natural Areas on land already owned by the state, e. g. in certain of the state parks.

Longenecker reported on some shifts in location of portions of some of the Arboretum fire lanes.

Dickson reported on elimination of nettles in East Marsh area, following seeding with certain grasses, and proposed an extension of the program, which was acceded to.

Arboretum Committee Meeting

September 17, 1951.

Present: - Cottam, Curtis, Gallistel, Greene, Hasler, Hickey, Longenecker, Muckenhirn, Jacobson.

Curtis showed a sample copy of the West Virginia Arboretum News, with the suggestion that the University of Wisconsin Arboretum might find it advantageous to issue a similar bulletin. It was agreed to explore the cost of such a publication.

Longenecker brought up the question of the fencing off of the ~~property~~ property owned by Mr. Geo. Herring adjacent to southeasternmost portion of Arboretum, versus Herring's right to a right-of-way. Gallistel agreed to look into the legal aspect of this.

Curtis suggested that the next Arboretum Committee Meeting be held at the new laboratory in the Arboretum Headquarters area.

Arboretum Committee Meeting

October 17, 1951

Present:- Curtis, Dickson, Emlen, Gallistel, Greene, Hickey, Longenecker, Muckenhirn, Jacobson.

Longenecker reported that Mr. Williams, landscape architect for the Highway Commission, in any plantings made on the right-of-way of the Belt Line Highway.

Dickson requested approval of an extension of his program for elimination of nettles in the East Marsh area (by substitution of marsh grasses). This would include a strip along the west bank of the lagoon which parallels the Fish Hatchery Road. There was some question about possible elimination of desirable native species, but Dickson pointed out that the proposed strip would be quite narrow and would not affect any place not now completely taken over by nettles.

Hickey reported that Mr. Forrest Hagler of Milwaukee, an engineer with the Allis-Chalmers Co., has offered to provide, to the Arboretum or to the Kumlien Club, a bronze plaque, suitably inscribed, as a memorial to the late Prof. Aldo Leopold. Longenecker moved that this offer be accepted on behalf of the Arboretum. Motion seconded and passed. Gallistel appointed Dickson and Hickey as members of subcommittee to pick out from Leopold's writings an inscription for the plaque, and they were directed to request H. McCabe to serve on this committee with them, in view of his long and intimate association with Prof. Leopold.

Emlen reported briefly on the present status of his mouse projects on the Arboretum.

Longenecker reported on the desirability of a garden of prairie flowers and suggested that, for convenience of access to the public, it be placed in the Horticultural Area, adjacent to the Arboretum Headquarters.

Curtis reported on the feasibility of issuing a quarterly Arboretum report. It appears that it could be done, using the multilith process, for about \$100 a year, on the basis of current costs. Any considerable amount of art work might increase the cost materially. The project was referred to the Technical Committee for further study. Greene volunteered to do the initial work in getting the report under way, in accordance with such recommendations as may be made by the Technical Committee. This offer was unanimously accepted.

Muckenhirn reported that currently, because of budgetary technicalities, there is no Arboretum Soils Assistant, but stated that efforts are being made, through proper channels, to have this assistantship reinstated in the near future.

H. C. Greene

Secretary

Arboretum Technical Committee Meeting

October 25, 1951

Present:- Curtis, Eulen, Greene, Hasler, Hickey, Long necker, Jacobson.

Curtis presented reasons in favor of acquisition of the Slane and Haen tracts. Some additions were suggested and incorporated. Curtis will prepare this material for presentation to Dean Baldwin.

Curtis presented research requests for 1) project for study of the soil fungi of an oak woods to be carried on in Grady Tract - personnel- J. T. Curtis, E. P. Backus, P. Orpurt, 2) project for study of plant succession by permanent quadrats, same to be located in the Wingra Woods and in the plot area to the south of the Arboretum Headquarters (Extension of Arb. 51:17, Grant Cottam). Both these research requests were approved.

Hasler moved that a typewriter be purchased for Arboretum use. Seconded and approved.

Curtis showed copy of the large, revised, colored Arboretum Soils Map. It was decided that copies of this map will be placed with the departments now carrying out research in the Arboretum.

Curtis appointed Eulen and Longenecker to subcommittee for study and working out of parking areas to solve parking problems currently existing in the Arboretum, and which tend to hamper necessary freedom of movement of research personnel). Parking permits will be issued to those engaged in research on the area.

Greene and Hasler were appointed by Curtis as members of an editorial subcommittee for effecting publication of the proposed new Arboretum quarterly journal.

Curtis, Gallister and Longenecker were appointed to a subcommittee to select place names and designations for the various parts of the Arboretum still without such names.

Curtis reported that he is currently engaged in working on the Master Plan for the hardwood forest area in the Arboretum, and is working out lists of species for the pine-hardwoods area. Cottam has agreed to work up the oak openings for the Master Plan.

Curtis pointed out that aerial photos made for the City of Madison and including the Arboretum in the spring of 1951 should be acquired, insofar as they cover the Arboretum and the Picnic Point, University Bay area. It was agreed that this should be done.

Longenecker pointed out the desirability of maintaining temperature and rainfall records at the Arboretum. The instruments would be set up at the headquarters and records kept by Mr. Jacobson. Curtis agreed to look into the matter, in consultation with University meteorologists.

E.C. Greene

Secretary

Arboretum Committee Meeting

December 19, 1951

Present:- Cottam, Curtis, Dickson, Emlen, Gallistel, Greene, Hasler, Hickey, Longenecker, Muckenhirn, Trenk, Jacobson, Nees.

Dickson initiated a discussion as to proper water leve in East Marsh lagoons. Jacobson and Nees are to investigate the matter and a survey will be run if it seems necessary.

Trenk stated that it was planned to remove certain dead or otherwise undesirable trees from the wooded University Farm area east of the University Houses and adjacent to the old Pharmacy Gardens, and inquired as to whether this would in any way interfere with studies which might be in progress on that area. It was felt that some of the den trees, as well as large open-grown oaks should be saved. Trenk stated he would see this was done.

Longenecker stated that Mr. Thompson, city engineer, had told him that a curb would be installed in the area across Monroe Street from Mallat's Drugstore where there has been continual encroachment for parking purposes on Arboretum property. This will be done in the summer of 1952.

Gallistel stated that Dean Baldwin has agreed to inspect the Slane Tract, with a view toward possible acquisition for use in hybrid poplar studies. Gallistel also brought to the attention of the Committee a proposal from Mr. Haen regarding possible exchange of the the 29 acres he owns adjacent to the Grady Tract for land east of the Fish Hatchery road. This proposal was felt to be completely unacceptable, and no formal action was taken on it.

Longenecker showed maps for prairie wildflower garden and stated he wishes to locate it to the south of the original planned site in the Horticultural Area.

H.C. Greene
Secretary

HCG/lwc

Arboretum Technical Committee Meeting

February 19, 1952

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker, Jacobson.

Curtis distributed a 7-page summary of research reports for 1951 and of new projects approved since March 1951. To date 52 projects in 10 categories have been approved.

Curtis mentioned four projects in being those supervisors wish some action or changes made in connection with the projects. These are:

Arb. 52-8. Profs. Riker and Kuntz have again advocated radical oak wilt control measures of a sort which it is felt would be extremely damaging to the plant understory. It is the feeling of the Technical Committee that this should not be done, and that even if the dying out of oaks in certain areas of the Arboretum should bring about a type conversion, such a result is not out of line with current arboretum plans and policies.

Arb. 52-49 Prof. Hole of the Soils Dept. feels that it would be highly desirable for purposes of this project that the Arboretum Soils Assistant be reinstated.

Arb. 52-53 Prof. Buchholtz wishes some additional area for this project in 1952. This was approved tentatively, the particular area to be assigned in the coming spring.

Arb. 52-58 Prof. Kuntz and Riker want a place on Arboretum to store departmental equipment for use in plowing and cultivating plots for poplar improvement. Such storage was approved, but it was pointed out that the dept. concerned must provide the labor for operation of such equipment.

Gallistel moved that there be no shooting permitted, under any circumstance, in the Noe Woods area. Other additional areas in the western part of the Arboretum will however be opened to shooting in connection with the Arboretum rabbit elimination program. Approved.

Longenecker moved that a stove be placed in that part of the new laboratory assigned to the Zoology-Wildlife group so as to make the space usable for animal carcass work which, up to now, has been carried on in the tool shed, and that the people carrying on such work be requested to use these new quarters. Approved.

Greene and Hasler discussed the proposed Arboretum News Letter, with a presentation of a number of subjects which it was felt might be appropriate to such a publication. Longenecker, as Director of the Arboretum, undertook responsibility for the content of the first number.

E. C. Greene
Secretary

Arboretum Committee Meeting

February 20, 1952

Present:- Curtis, Dickson, Emlen, Gallistel, Greene, Longenecker, Hole(Soils), Nees, Jacobson.

Curtis reported on the proceeding of the Technical Committee meeting of the preceding day(Tues., Febr. 19). The Arboretum Committee gave its approval to all research projects for which renewals have been requested.

Greene discussed briefly the proposed quarterly Arboretum News Letter. Longenecker, as Arboretum Director, has undertaken responsibility for the contents of the first issue.

The Committee reaffirmed its previous decision as to the desirability of acquisition of the Slane Tract adjoining the southeastern portion of the Arboretum.

Emlen stated that the Zoology Dept. staff has voted in favor of the appointment of an Arboretum Zoologist, but that at the moment there is no definite candidate for this post.

Hole will endeavor to see that provision for an Arboretum Soils Assistant, inadvertently omitted from the current budget, is made in the next departmental budget.

Gallistel brought up the question of Cottam's continued membership on the Arboretum Committee, since it has developed that his appointment was an interim one in the absence of Fassett who has now returned to the campus. Since there is considerable doubt as to whether Fassett wishes to retain membership on the Committee, it was decided to consult him on this point. It was further decided that, in any event, it is highly desirable that Cottam be appointed to the committee as a regular member, since his interest in the Arboretum is strong and since he currently has long-time research projects in being on the area. Gallistel will propose Cottam for membership.

Arboretum Committee Meeting

April 16, 1952

Present: Cottam, Curtis, Dickson, Gallistel, Greene, Hasler, Hole, Longenecker, Muckenhirn, Trenk, Jacobson, Nees, J.E. Kuntz (Plant Pathology)

Greene reported briefly on current status of plans for Arboretum News Letter. Longenecker has submitted a tentative write-up, including a map, for the first number. It was agreed that the sub-committee (Greene & Hasler) should proceed to obtain cost estimates on production.

Curtis presented a proposal for Profs. Suomi and Bryson, Meteorology, for a micro-climatic reconnaissance of the Arboretum. They also have offered to maintain a weather station at the Arboretum Headquarters. Approved unanimously.

Curtis reported that so far this year, the first that a seed exchange list has been mailed out by the Wisconsin Arboretum, eleven institutions have requested 69 different kinds of seed, most of it in the prairie plant category.

Curtis stated that Profs. Riker and Kuntz, in connection with their program for poplar improvement by selection and breeding now being carried out on the still-to-be-acquired Slane tract, desire land of a different nature (higher and drier) for a parallel series. It seems that about 1 acre will be required this coming year and Curtis proposed the temporary use of an area NE of the jack pine plantation, pending acquisition of the Bryant Tract. This proposal was approved, following a statement by Kuntz as to the aims and requirements of the poplar project to the effect that it will be on a rather long-term basis and that it is desired to use at least two soil types.

There was a rather extended discussion as to the ways to provide maintenance labor on projects requiring, for example, periodic cultivation practices on a large scale. While no definite conclusions were reached or policies enunciated, the feeling seemed to be that it would not be practical or desirable for regular Arboretum labor to be used for such purposes. Except for heavy tractors, Muckenhirn favors a machinery pool at the Arboretum, but thinks that project directors should assume the responsibility of providing labor to operate this machinery, except in the initial preparation of the land, which might be done by the Arboretum crew.

Trenk stated that there is near Richland Center a hickory tree which has exceptionally desirable nut characteristics, and which he wishes to graft to small Arboretum trees. The reaction of the Committee was that this is a worthwhile proposal and no opposition was expressed.

H.C. Greene
Secretary

6/6/52

ARBORETUM COMMITTEE MEETING

Minutes of Meeting of May 19, 1952

Present: Curtis, Dickson, Gallistel, Greene, Hickey, Longenecker, and Jacobson.

Absent: Baldwin, Burn, Ealen, Fassett, Hasler, Jackson, Hole, *Mc Neel*, Muckenhirn, and Trenk

Professor Hickey brought up the question of proper and effective management of the University-controlled Paville Prairie area. Professor Curtis pointed out that main current need is for action to establish existence of a right-of-way to the tract over the surrounding land. He recommends that the area not be posted in any way; that it be re-fenced, using metal posts instead of burn-susceptible wooden ones, as at present; and that the mulch be burned off the prairie as soon as feasible, next spring if possible.

Professor Longenecker stated that land in the vicinity of the jack pine plantation assigned to Riker and Kuntz, with the understanding that it would be used exclusively for hybrid poplar studies (on a temporary basis) had been turned in part to other use, with the planting of a portion of it to evergreens, and this without any consultation with the Arboretum Committee. It was the unanimous opinion of the committee members present that those using Arboretum land for stated purposes are under definite restraint to use the land for those purposes, and for no others, unless such other use should be subsequently agreed to by the committee. Professor Curtis moved, with unanimous approval, that this diversion of land for other than stated purposes, be promptly investigated and that it be made clear once and for all that, while the Arboretum Committee is willing and ready when possible to provide land for approved research, it (the Committee) retains control of the land and must be consulted in advance in connection with changes or modifications in use. Professor Dickson agreed to investigate this matter.

Mr. Jacobson stated that it would be desirable, in connection with fire hazard elimination, to keep automobile drivers out of Arboretum land in the "Lost City" area. He proposes to do this by a fence with locked gate from the circle to our existing east fence.

Mr. Gallistel will look into non-Arboretum owned land which might be cut off by such action and, if possible, obtain the owners' permission to install such a fence. He also will make arrangements for an official survey of the north boundary from the bridge to the circle.

Professor Curtis mentioned that the State Board for Preservation of Natural Areas, of which he is Chairman, has recently acted to set aside 200 acres in Wyalusing State Park, 360 acres (virgin forest) in the Flaxbeau Forest, and a small but very fine piece of low prairie near the village of Eagle in southwest Waukesha County.

H. C. Greene, Secretary

ARBORETUM TECHNICAL COMMITTEE MEETING

July 10, 1952.

Present: Curtis, Gallistel, Greene, Longenecker, Jacobson.

Curtis and Cottam project for study of rare metals in plants and plant litter (ABC sponsored) approved for Arboretum.

Prof. Dicke (Econ. Entomology) project for study of methods of local control of mosquitoes, to be done in Monroe St. area of Arboretum, approved.

Report of Committee on Parking (Ehlen, Longenecker) -- one area to be set up adjacent to Arboretum Drive along east shore of Lake Wingra, another at bend in Arboretum Drive, northwest of the headquarters and overlooking the Wingra Marsh. Jacobson will issue permits to those judged to need them.

Report of Committee on Publications (Greene, Hasler). The projected Arboretum News was said to be almost ready for printing.

For use in connection with fund requests for biennial budget, Jacobson was asked to prepare to report on distribution of labor time by Arboretum crew.

Status of laboratory building repair; Longenecker suggested screens for windows, because of bad mosquito situation. It was suggested that if water is not necessary, in winter individual oil space heaters could be set up in the various labs in the building. Gallistel stated that it might be possible to obtain them cheaply from the former veterans' trailer camps, and he will look into this matter.

The strain garden has now been seeded down to grass and Longenecker will supervise layout of paths within it.

Jacobson requested gasoline storage facilities on the Arboretum. Request approved and Gallistel will look into prices and availability of farm-type above-ground tanks.

Gallistel will write to Town of Madison requesting information about their further plans, if any, in connection with newly graded road to the Herrling property. He proposes to inspect it at the time of the next regular Arboretum Committee Meeting, scheduled to be held in the Arboretum.

ARBORETUM COMMITTEE MEETING

July 21, 1952.

Present: Cottam, Curtis, Dickson, Gallistel, Greene, Hasler, Hickey, Hole, Jackson, Longenecker, Trenk, Jacobson, Nees.

Curtis requested vote on approval of two projects which had been recently approved by the Technical Committee:

1. Curtis and Cottam project for study of rare metals in plants and plant litter (AEC sponsored).
2. Dicke project for study of methods of local control of mosquitoes, to be carried out in Monroe St. area of Arboretum.

Both projects were approved.

Curtis brought up the question of spraying the roadside of Fitchburg Road (with weed-killers) along west side of Grady Tract by Town of Fitchburg, and its definite undesirability so far as the shrubs in the Arboretum fence-row is concerned. It was suggested that the Arboretum offer to carry out such weed control as may be necessary and desirable along this roadside, and Town authorities are to be approached with this offer.

Curtis discussed the AIBS meetings scheduled for Madison in the fall of 1953 and pointed out that Arboretum should be put in best possible shape, since the event will offer a great opportunity for favorable national publicity with many influential groups and individuals.

Jackson discussed the prospects for acquisition of certain land parcels by The Arboretum.

Longenecker stated that the strain garden is now laid out and ready for planting. He also stated that the lilac collection had been receiving a long-needed drastic pruning.

Dickson stated pines are temporary in Kuntz-Riker hybrid poplar plots (where said pines had been placed without authorization from the Arboretum Committee).

ARBORETUM TECHNICAL COMMITTEE MEETING

August 13, 1952.

Present: Curtis, Gallistel, Greene, Longenecker, Jacobson.

Hickey's spermophile study has been re-activated and extended, in connection with an anatomical study in cooperation with Profs. Morrison and Messman (Arb. 52:47).

Curtis would set up taxonomic beds in strain garden, in addition to beds containing unusual and variant plants. This was approved. Curtis pointed out that arrangement should be made for adequate drainage in southwest corner of garden. Jacobson suggested preserving present grid system in garden by driving treated stakes almost flush with ground.

Curtis brought up the matter of the AIBS meetings in Madison in Sept. 1953, and the necessity for laying plans at present, including burning, next spring, all sections of the old prairie and the Grady prairie, removal of aspens in old prairie and removal next winter, of old nursery in southeast section of old prairie (80-10). Jacobson suggested cutting lane around control area in old prairie and this was approved. Curtis wants paths in woods, especially in the Wingra Woods, brushed out and cleaned up. Longenecker plans to get prairie garden under way this fall.

There was a general discussion of plans for the newly acquired Haen piece along the Beltline Highway. No final decisions were reached.

It was decided to remove box elders and soft maples along the Fitchburg Road fence in Grady Tract and it was also decided to plant, as soon as possible, a relatively impenetrable shrub border along this fence in view of the extensive housing development going up across the road. It was further pointed out that the present fence is utterly inadequate and should be replaced with a mesh-barbed wire type as soon as possible.

Curtis suggested that some member of the Arboretum crew, with sufficient intelligence, be trained to recognize undesirable shrubs, such as box elder, honeysuckle, and cascara (Rhamnus cathartica) and be put to work at this whenever possible to spare him for more urgent tasks.

Jacobson presented a detailed statement showing distribution of man hours for

(August 13, 1952 Cont.)

the Arboretum labor crew in the preceding January, March, May, and July. There was an extended discussion as to proper designations for the various types of labor activity, and it was finally decided that four categories should be set up:

1. operations
2. maintenance
3. development
4. equipment repairs.

ARBORETUM COMMITTEE MEETING

August 20, 1952.

Present: Euan, Curtis, Dickson, Gallistel, Hasler, Hickey, Hole, Trenk.

Non-members present: Cottam, Jacobson, Nees.

The only business to come before this meeting was the presentation by Gallistel of copies of the first number of the University of Wisconsin Arboretum News, planned to be issued quarterly hereafter.

ARBORETUM COMMITTEE MEETING

(Held at Arboretum)

September 16, 1952.

Present: Bunn, Gallistel, Greene, Hickey, Hole, Longenecker, Cottam.

No formal business transacted at this meeting.

ARBORETUM COMMITTEE

Minutes of Nov. 17, 1952 Meeting

Present: Curtis, Dickson, Callistel, Hasler and Jacobsen

No formal business was transacted. Among items discussed were the recent fire danger and the methods used to combat it, the new News Letter and methods for its mailing, the Hoan tract, the recent carp poisoning of Lake Wingra, the need for a heating system in the Arboretum Laboratory Building and the probable success of certain Arboretum Committee Members in the approaching deer season.

J. F. Curtis

for H. C. Greene

Arboretum Committee Meeting

December 17, 1952.

Present: - Cottam, Curtis, Dickson, Ealen, Gallistel, Greene, Hole, Longenecker, Schorger, Trenk, Jacobson.

Curtis reported that Walt Disney Productions wants to photograph burning of prairie next spring for use in natural history movie. Tom McHugh to be photographer.

Curtis stated that about 60 pounds of prairie seeds have been stratified in approx. a ton of soil for prairie planting next spring. He desires to lime as large an area as possible to cut down blue grass and favor prairie species, in line with results of earlier fertilization experiments.

Cottam is engaged in mapping the trees of the Grady oak opening with a view to recommendations for management.

Longenecker stated that Jacobson has not been notified as to times of rabbit shoots held in Arboretum, with the result that when people report shooting to him he is uncertain as to whether it is by authorized persons or not. Longenecker requested correction of this situation.

Gallistel pointed out that there has been a large response to the Arboretum News, particularly from foreign sources, and that the Arboretum has been mailed a number of publications not before received.

Gallistel told committee that a locomotive bell which can be heard for a long distance has been acquired for fire warning service in the Arboretum, and that it will be installed at the headquarters.

Curtis discussed tentative plans for a general field trip through the Arboretum by those interested persons in attendance at the meetings of the American Institute of Biological Sciences to be held in September 1953 at Madison.

ARBORETUM COMMITTEE MEETING

February 18, 1953

Present: - Cottam, Curtis, Dickson, Gallistel, Greene, Jackson, Langenecker, McCabe, Trenk, Neess, Jacobson.

The meeting was largely devoted to a discussion of the prospects for acquisition of certain small, but key, tracts of land adjacent to the south-east part of the Arboretum.

Curtis mentioned the very favorable response to the Arboretum's seed exchange list, and stated that there are a considerable number of botanical gardens which have not so far received the list, but will be added forthwith to the Arboretum mailing list.

Jackson asked that a breakfast be held in the Arboretum for the Board of Visitors, as has been done on a couple of occasions in the past. It was agreed tentatively that the third Saturday in May would be a good date.

Jacobson pointed out that the old fruit trees near the lower entrance to the Grady Tract are an attraction to children in the neighborhood, but useless to the Arboretum, and he requested permission to remove them. This was granted.

Langenecker re-emphasized the urgent need for living quarters on the area for the Superintendent,. It was agreed that these quarters should be in a building also containing offices and other rooms for all-Arboretum purposes, in the interests of economy and efficiency.

N. C. Greene

Secretary

ARBORETUM TECHNICAL COMMITTEE MEETING

March 6, 1953

Present:- Curtis, Malen, Gallistel, Greene, Longenecker, Jacobsen.

Curtis stated that Tom McHugh, who will take pictures of prairie fire for Disney Productions, is in town, and brought up question as to possible use of money to be realized. Malen said that McHugh had ideas as animal pictures to be taken in connection with the burn and wanted Committee approval of them. It was agreed that satisfactory ways of taking these pictures in a realistic way could no doubt be arranged in advance of the actual burning.

Curtis, Longenecker, and McCabe have been designated as a subcommittee to consult with officials of the Highway Dept., the Town of Fitchburg, and the Town of Madison as to question of roadside maintenance along Arboretum boundaries, with a view toward preventing clean mowing and destruction of desirable vegetation. It is hoped that this will grow into something of broader scope and be useful in effecting a reorientation of thinking as to what is desirable in roadside maintenance, especially in the case of secondary roads in Wisconsin.

Curtis suggested that this is the proper time to name the pine plantation The Leopold Memorial Forest, honoring the late Professor Aldo Leopold. This matter is to be brought up at next meeting of the full Arboretum Committee. It was suggested that the naming ceremony be officially held at the meeting of the University Board of Visitors, scheduled to be held in the Arboretum in May.

Curtis pointed out that with the large amounts of seed handled by and required by the Arboretum it is most desirable and, in the long run, would be highly economical to acquire certain types of mechanical seed-cleaning equipment. It seems that the Agronomy Dept. currently has one piece of such equipment which is now surplus and which may be turned over to the Arboretum. Curtis will look further into costs of various items of this sort and will report on them.

Curtis pointed out that certain arboreta and botanical gardens issue their reprint publications in groups in a common cover, with a special journal title for exchange purposes and he suggested that it would be a good idea if the U. W. Arboretum did the same thing. At the present rate of issue of journal papers such a thing could be issued feasibly annually, or perhaps biennially. It would in the long run save mailing charges and would be much more productive of worthwhile exchanges than the present system of mailing out individual reprints as they appear. Greene to consult with Trappe as to cost of having such covers printed.

The current budget outlook was discussed at some length. Gallistel stated that in his opinion the Arboretum will not fare too badly. The question of the possibility of outside financial aid, on a permanent basis, was explored and will be brought up before the full Arboretum Committee. Curtis will look into procedures of other arboreta and botanical gardens which depend on membership fees for their support and it is planned to include a full statement as to this and the feasibility of obtaining such support for the U.W. Arboretum in a forthcoming issue of the Arboretum News.

Mr. Marshall of the City of Madison Parks Dept. wants to extend the bathing beach area on Lake Wingra by dredging and filling on lands adjacent to the Arboretum and Longenecker presented a map showing the proposed extension. Mr. Marshall is to be asked to attend the next regular Arboretum Committee meeting to make his proposals. Curtis felt that the interests of the Arboretum would require considerable modification of the project as proposed.

Mr. Beach is to be requested to determine whether the area just over and to the east of the Mills St. bridge, now being used on occasion as a dump by the Vilas Park see rally belongs to the A.beretun, or whether the title is in the city. Gallistel will attend to this.

Curtis appointed Ealen, Hasler, and McCabe as a subcommittee to determine the potential animal research use of the entire East Marsh area, with a view to arriving at long-range policies for handling and maintenance of the area.

ARBORETUM COMMITTEE MEETING

March 19, 1953

Present: -

Gottam, Curtis, Dickson, Gallistel, Greene, Hasler, Hole, Jackson, Longenecker, McCabe, Trenk, Neess, Jacobson, J. G. Marshall (Parks Superintendent, City of Madison).

Mr. Marshall presented for the consideration of the Arboretum Committee a tentative plan of the Madison Parks Dept. for the enlargement of Vilas Park - $\frac{1}{2}$ extension of the beach area and provision for a large parking lot - by an extensive fill at the east end of Lake Monona, involving impingement on Arboretum property at this point. There was a prolonged discussion of the proposal with no final agreements or arrangements being made. It was the feeling of Committee members that, without considerable modification, the changes proposed would not be in the best interest of the Arboretum.

Curtis proposed that the Arboretum pine plantation be named the Aldo Leopold Pine Woods in honor of the late Professor Leopold. Approved unanimously.

Curtis requested that a heater of some sort be installed in the laboratory building, pointing out that as matters stand the usefulness of the building is much curtailed. Jackson and Gallistel agreed to work on this with a view toward installation of heating facilities at the earliest possible date.

Jacobson requested that the old water tower be converted into a fire watch tower. Gallistel stated that the work would be done this summer.

H. C. Greene

Secretary

ARBORETUM COMMITTEE MEETING
April 16, 1953
Noon Meeting at Arboretum

Present: Cottam, Curtis, Dickson, Gallistel, Hasler, Longenecker,
McCabe, Jackson, Jacobson

Absent: Bunn, Emlen, Greene, Hole, Trenk

Curtis suggested that the Evergreen area at the Arboretum be dedicated to Aldo Leopold - this was approved. In the discussion which followed it was suggested that the dedication be held back in the pines. It was also suggested that Harry Russell and J. W. Jackson be the speakers.

Each person of the committee was asked to send a list of suggested people to be invited to the dedication to Gallistel. The dedication to be held May 23 after the breakfast for the University Board of Visitors.

It was suggested that the pine area be called the "Aldo Leopold Pines" and appropriate signs be erected at the path leading to the pines and at the pines.

Dickson discussed the Slane property and reported that he and Gallistel had been at a Regent meeting where the purchase of the area was OK'd.

Dickson also stated that he had been over the newly acquired Church property area with Kuntz and Riker with the suggestion that they use about an acre area on the east side of the plot for their poplar trials.

Dickson also suggested that the Technical Committee have a meeting with Riker, Kuntz and the Forestry people in regard to their needs.

Jackson raised the question of the maintenance of the Junipers, pines and crabapples in Rikers plots. He said the week growth could be considerable of a fire hazard.

Gallistel said he had talked to the Herlings, but that they were not interested in selling.

The suggestion was made that Jacobson shut off the road to the Herling property one day a year and make a record of it.

G. Wm. Longenecker
Acting Secretary

ARBORETUM COMMITTEE MEETING

May 21, 1953.

**Present:- Cattan, Curtis, Dickson, Gallistel, Greene, Jackson, Longenecker,
Jacobson, Archbald.**

(Held at Arboretum)

The meeting was largely devoted to completion and perfection of plans for the ceremonies concerned with the dedication of the Arboretum pine plantation to the late Professor Aldo Leopold, and of the Arboretum Drive (as McCaffrey Drive) to the late Morris McCaffrey, long-time Secretary of the Board of Regents and former University Trust Officer.

Also discussed was the mechanism for acquisition of the Slane Tract. It was unanimously recommended that the land to be acquired should be an integral part of the Arboretum, under the sole and final control of the Arboretum Committee. It was further agreed that, lacking other monies, any Arboretum funds which might properly be employed for purchase of the Slane Tract may be so used.

H. C. Greene

Secretary

Arboretum Committee Meeting
June 25, 1953

Present: Cottam, Curtis, Emlen, Gallistel, Greene, Hasler, Jackson, Jacobson, Longenecker

Cottam pointed out the dangerous situation which has been developing on the Arboretum road, resulting from greatly increased traffic combined with a number of dangerous curves and poor visibility. He suggested cutting away of shrubs and brush at these points, posting of large signs at the entrances indicating the winding road and the bad curves, and the painting of center lines on the curves. It was the concensus of opinion of Committee members that action should be taken as soon as possible in this matter.

- (1) Emlen announced that he will be on leave for the next year. He stated that, if feasible, he desires to retain his membership on the Committee and to have someone from the Zoology Department represent him during his absence.

Curtis asked Emlen about the current status of the position of Arboretum Zoologist. It seems that there is no candidate or prospect at present, and Emlen is of the opinion that the University administrative authorities would prefer that the position not be filled at this time.

Longenecker reported briefly on plantings made in 1953. 15,000 plants, representing 145 species and varieties, have been set out.

- (2) Jackson reported on the present status of certain prospective land acquisitions and potential sources of funds for land purchase. He pointed out that a moving picture, designed to show the story of the University of Wisconsin, is about to be made and that it should include material on the Arboretum.

Gallistel stated that two more lots in the "Lost City" have recently been acquired for taxes due.

- (3) Jacobson stated that work will soon begin on the erection of the new fence in the Grady Tract along the Fitchburg road. He wanted to know whether the line should be surveyed before work started, but no clear-cut opinion was forthcoming on this.

Gallistel brought up question of permitting or of not permitting fishing in the Arboretum ponds in the Monroe Street area. It was felt that it should be allowed in the Ho-Nee-Um Pond, but not elsewhere.

- (4) Curtis stated that, in order for the Arboretum to retain its rights, it is probably desirable that access to the Nakoma Golf Course, at the point where the roadway goes in through our parking space to their equipment storage sheds, be denied briefly at requisite legal intervals.

Curtis feels that in the interest of better public relations

(more)

- (1) Gallistel wrote Pres. Fred. (2) Gallistel has written all Arb. Comm.
(3) Highway Commission consulted. members re this. (4) Jacobson do this.
 Jacobson notified

the "No Trespassing" legend on signs in that portion of the Arboretum north of the Beltline Highway should be painted out, since it is really not our policy to keep people from these areas. This was agreed to.

- (5) Curtis pointed out that if the Arboretum Committee desires to retain the wooded area in the Grady Tract as an oak opening, in accordance with the Master Plan, it is urgently necessary to eliminate the scrub oak which has invaded the area so densely as to be shading out the herbaceous understory. Jackson suggested the possibility of obtaining Boy Scout labor for this purpose, since the job is obviously one requiring many hands. Gallistel agreed to investigate.

H. C. Greene, Secretary

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- (5) Gallistel wrote to Peter Norg, Scout Executive, about this.

Arboretum Committee Meeting
July 16, 1953
(Held at Arboretum Lab)

Present: Cottam, Curtis, Dickson, Emlen, Gallistel, Greene, Hasler, Hole, Jackson, McCabe, Archbald, Jacobson

There was a discussion of the prospect for obtaining heating equipment for the laboratory building before the coming winter. Hope was expressed that this might somehow be done, but Gallistel pointed out that, at the moment, there is no money definitely available for purchase of capital equipment.

Hasler inquired whether the Arboretum, as owner of most of the Lake Wingra shoreline, would object to a project (not his) for the poisoning out of fish in Lake Wingra to eliminate carp, with a subsequent re-stocking with game fish. There was a long discussion of this and alternative treatments for carp control, but no definite and final conclusion was reached. It was agreed that Hasler, as the only Committee member really qualified to act, should represent the Arboretum for the time being in this matter.

Curtis pointed out that sewage from a sanitary sewer of the Madison Sewage District is, or at least recently has been, draining into the Stevens Pond. The Arboretum Committee goes on record as opposed to this condition and requests its immediate correction. (Gallistel has contacted Mr. Lord of the Madison Metropolitan Sewage District who will check this).

McCabe produced an anonymous letter he had received requesting that the drake population among the ducks in the pond at the bend of Monroe Street be reduced, since it seems that the ratio of males to females is now much out of line, to the detriment of the latter. It was the feeling of the committee that no attention should be paid to any anonymous letter and that, unless McCabe and the Department of Wildlife Management could derive some benefit from such a population reduction project, no action should be taken.

Curtis stated that lab is in good condition for summer use, except for lack of plumbing. If at all feasible he would like to have some sort of temporary plumbing installed as promptly as possible. He would also like to have the interior of the lab painted before the AIRS meetings in September, perhaps with members of the Committee providing the labor if no other way can be found. It was agreed that this latter can be done and paint will be available.

Curtis pointed out that there is a serious weed problem in the old prairie fence row areas. He requested approval for bringing in a bulldozer about the middle of September to level off these old fence rows, removing the many boulders piled among them. They would then be seeded down with rye and planted with prairie grass early in the spring of 1954. This project was approved.

In connection with the matter of safety on the public road (McCaffrey Drive) through the Arboretum, Curtis suggested that all

(more)

shrubs on inside curves be removed to a point consistent with safety, a thing which he felt would require considerably more work than had already been done, particularly on the sharp curve just to the southwest of the road to the Arboretum headquarters. It was decided to adjourn the meeting and inspect this place to see what was necessary to be done. It was finally determined that all the shrubbery at the base of the oak on the south side of the road should be cut out, but that it would not be necessary to remove the tree itself. It was further decided to remove three large Crataegus shrubs on the same side of the curve and just to the north of the oak. It was moved by Hasler, seconded by Emlen, and approved, that this be done, and Mr. Jacobson was asked to carry out the work as soon as possible.

H. C. Greene, Secretary

Arboretum Committee Meeting

October 15, 1953.

Present:- Cottam, Curtis, Dickson, Gallistel, Greene, Hasler, Jackson,
Longenecker, McCabe, Trenk, Jacobson.

(Meeting held at Bureau of Visual Instruction)

Movies, taken in the spring of 1953, of purposely set prairie fires at the University of Wisconsin Arboretum and at the Faville Prairie near Lake Mills, were shown to Committee members and their guests. The photography was done by Mr. Tom McHugh, formerly of the University of Wisconsin Zoology Dept. for Disney Films to be used in a narrative film entitled "The Prairie Story". Following the showing a short business meeting was held.

Curtis proposed that a complete documentary film showing all phases of prairie restoration and development work on the U. of Wis. Arboretum, including the Disney fire shots, be made as opportunity could be done at a very reasonable cost and that it would give us valuable publicity in a phase of developmental work in which the University of Wisconsin has been a leader and, until recently, almost the only agency so engaged. It was moved and seconded that such a picture be made, and unanimously so voted.

Curtis reported a very favorable reaction in general of AIBS members who inspected the Arboretum at the Sept. 1953 meetings. The other Committee members had the same impression.

Hasler reported on the status of Lake Wingra, so far as management is concerned. At a meeting with leaders of the Conservation Dept. they were found to be cooperatively disposed and the Director wishes Hasler to draw up a long range program for proper management of the lake.

Hasler asked about getting a furnace for the Arboretum Lab. Gallistel stated that Jacobson had inspected a furnace offered by Mr. George Hall and found it in very poor repair, and that there are as of now absolutely no funds for purchase of new equipment. Jacobson is to inspect further with a University tinner with a view toward possibility of repairs, and failing this Jackson promised to explore other sources for a second hand furnace.

McCabe wants certain portions of the Faville Prairie Preserve re-fenced using metal posts, plus installation of a gate and stile, to prevent fishermen from driving onto the property and over a period of time creating weedy conditions by causing turn-arounds to be formed at various points. It was agreed that this could be done by using Arboretum labor and materials, a section at a time.

Gallistel brought up the matter of a proposed property exchange with the Arboretum's perennial problem, Mr. Herrling. It was felt that this proposal was highly inequitable and no action will therefore be taken.

H. C. Greene
Secretary

Arboretum Committee Meeting

December 19, 1953.

Present:- Cottam, Curtis, Gallistel, Greene, Hasler, Jackson, Longenecker, McCabe, Ness, Jacobson.

Hasler requested information about proposed fill (for purposes of making a parking area) of Lake Mendota along the frontage belonging to the University. Gallistel stated that, although legislation has been passed authorizing this all the way from the site of the new Adult Center Building to a point in the vicinity of Willows Beach, he was sure that any present work on this would be confined to the east adjacent to the end of Park St., the Union, and the Adult Center Building. Hasler moved that Arboretum Committee draft a letter to the University administration outlining objections to any fill of the lake along University property. Curtis seconded and proposed that a subcommittee be set up to handle this—a subcommittee of Hasler, Curtis and Ness was named—and the motion was passed unanimously.

Jackson brought up the matter of the proposed Lake Wingra fill to make a parking area adjacent to the Vilas Park beach and Arboretum property and suggested that Arboretum Committee file a protest, outlining our objections to this project also, with the City of Madison Park Board. It was moved and seconded that this be done and that a subcommittee composed of Hasler, Curtis, McCabe and Ness be appointed to attend to the matter. Passed Unanimously.

Jackson suggested that a resolution commending the Conservation Commission for their cooperation in connection with the long-range plan for Lake Wingra would be desirable.

Ness stated that it appeared that several dozen seining of Lake Wingra would probably be required to really effectively cut down the carp population. He based his estimate on the percentage recovery of tagged carp in the second of the recent seining. A total of not more than 100-150 large game fish were netted in the double seining.

Curtis requested that some action be taken soon in obtaining effective heating for the Arboretum laboratory building. Several alternatives were discussed.

H.C. Greene
Secretary

Arboretum Technical Committee Meeting

November 25, 1953.

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe.

Curtis brought up the matter of more effective future permanent marking of research plots so as to avoid unintentional destruction in the course of developmental or routine maintenance operations. It was decided that an economical and satisfactory way to do this would be to use reinforcing irons in the upper ends dipped in red paint to make them more readily visible.

Curtis pointed out the desirability of outside additional financial support for the Arboretum in matters and projects concerned with other than maintenance operations. Curtis has investigated the diverse means by which other arboreta and botanical gardens gain such support and distributed to Committee members a carefully detailed report-outline indicating possible means by which the University of Wisconsin Arboretum might gain such support. Curtis stated that it was his firm opinion that there should be a definite prospect of full follow-through and ultimate success before any such program be embarked upon, since much time and considerable effort would be required in the initial stages and since the only people presently available - himself and other committee members - have many other prior and pressing academic obligations. Longenecker moved that Curtis' report be accepted as a basis for discussion, and further that it be submitted to the full Arboretum Committee. Moved and passed unanimously.

Longenecker asked about status of Arboretum Viburnum collection, now being assembled and planted, and the opinion was that it should be considered as an Arboretum project and assigned a project number. Longenecker stated that he thought it would be desirable to build up a horticultural collection of plants suitable for use in landscaping the grounds of one-story houses of which so many have been built in the last few years.

Curtis requested Greene to check the Arboretum Committee minutes over the past three years, with a view to making a list of the various directives made during that time. It is Curtis' opinion that a good many such have been made on which there has been no action taken.

H.C. Greene
Secretary

Arboretum Committee Meeting

December 17, 1953.

Present:- Cottam, Curtis, Gallistel, Greene, Hasler, Hole, Jackson,
Longenecker, McCabe, Neess, Trenk.

Also present:- Jacobson, Wisby, Mr. Herbert Lord (Engineer
for Madison Sanitary District)

Mr. Lord explained that a new sanitary sewer for the Orchard Ridge-Summit area will of necessity be put through the Arboretum on the north side of Lake Wingra. He pointed out that Monroe Street is a very busy through traffic lane and that tearing it up to install a sewer would seriously disrupt traffic for a long period and stated that an alternative route through Arboretum land just adjacent to the street was not feasible because of deep-lying rock formations. He showed a map of the surveyed route, and after the meeting Committee members went out to the area with Mr. Lord to inspect it.

Hasler presented the subcommittee adverse report relative to the proposed fill of Lake Mendota along University land for the purpose of making additional parking space. Most of the meeting time was devoted to a discussion of this report and certain modifications were agreed upon, among them that it would be desirable from the Arboretum standpoint to apply the report equally to the proposed Madison Parks fill of Lake Wingra adjacent to the Arboretum.

H. C. Greene
Secretary

Arboretum Committee Meeting
January 21, 1954

Present: Cottam, Curtis, Dickson, Gallistel, Greene, Hasler, Hole, Longenecker, McCabe, Neess, Jacobson, Wisby.

Hasler presented the recommendations of the U. W. Biological Division regarding the proposed parking fill of Lake Mendota. Hasler moved that this report be adopted by Arboretum Committee as reflecting its sentiments, but then revised his motion to include the longer Arboretum Committee report on the same general subject. Passed.

Hasler brought up question of small fill - for fire lane purposes - currently being made in front of the Hydraulics Laboratory. He felt that it too might be seriously detrimental. Gallistel pointed out that it was of very limited extent, absolutely fixed by plan, and that there was no danger of its being indefinitely expanded (it was originally authorized by the Public Service Commission). Curtis stated that in his opinion the Arboretum Committee would be justified in requesting that this fill be finished off with a granite boulder facing and be made to blend with the lake shore as naturally as possible, perhaps by means of shrub and tree plantings. Beyond this, however, he felt it is no proper concern of the Arboretum Committee.

Curtis thereupon moved that the Arboretum Committee recommend to the Biological Division Committee that it study the fill in front of the Hydraulics Laboratory with a view to best method of finishing it, preferably with a granite boulder facing. Passed.

Gallistel suggested it would be desirable for the Arboretum Committee to go on record as opposing the proposed Madison Parks fill of Lake Wingra, likewise for parking purposes, and impinging on Arboretum land. He pointed out that this fill would occupy 9 acres and that the total area of Lake Wingra is only about 200 acres. Curtis moved that the Arboretum Committee go on record as opposing this fill. Passed unanimously.

Curtis moved that the Committee likewise go on record as opposing construction of a sanitary sewer in the northwestern portion of the Arboretum property, in so far as the presently proposed line is concerned. Passed unanimously.

Curtis pointed out that the seed exchange offerings are meeting with a fine response this year, and showed specimens of the formally drawn list of offerings sent out for the first time this year. It was decided to send this list to Vice-President Baldwin with a covering letter for presentation to the Board of Regents.

H. C. Greene
Secretary

MINUTES

ARBORETUM COMMITTEE MEETING
February 11, 1954

Present: Professors Cottam, Curtis, Greene, Hasler, Hole, Longenecker, McCabe, Neess and Trenk and Messrs Gallistel and Jacobson

McCabe mentioned a letter that he had received from Bob Mann of the Cook County (Illinois) Forest Preserve. Mann is interested in restoring a piece of prairie, primarily for use as a demonstration area for school children, and he plans to come to Madison to discuss this project with those of us who have had experience along these lines.

Hasler reported that the Biological Division Executive Committee has accepted the proposal that a facing of granite boulders be used in finishing off the fill in front of the Hydraulics Laboratory in Lake Mendota, in accordance with the current plan for this fill, and that the fill itself be suitably landscaped.

Longenecker stated that flowers in the amount of \$10 had been purchased on behalf of the Arboretum Committee for the funeral of Joe Masino, former Arboretum labor crew member who died recently. He suggested that such committee members as cared to make donations toward equalizing the expense for those who made the purchase.

Gallistel stated that negotiations are in progress, with the executors of an estate, to acquire several more of the few lots remaining to be picked up to fill out our holdings in the Lost City area.

Gallistel stated that there has so far been no University approval of the Madison Metropolitan Sanitary District plan to run a sewer through Arboretum property in the Monroe St. area, a plan to which the Arboretum Committee is unalterably opposed. Gallistel read a letter from Mr. Herbert Lord to Regents in connection with this plan in which it was concensus of Arboretum Committee opinion the facts were not adequately presented and the undesirable features glossed over. Gallistel showed a detailed map of the proposed sewer line. It was the feeling of the Committee that the Metropolitan District has alternatives in the placement of this sewer which are being ignored solely on considerations of expense.

H. C. Greene, Secretary

MINUTES

ARBORETUM TECHNICAL COMMITTEE MEETING
March 5, 1954

Present: Professor Curtis, Greene, Hasler, Longenecker, McCabe and Messrs. Gallistel and Jacobson

Curtis stated that requests for project research reports had not so far been made this year because of unsatisfactory response in the past. Hasler suggested that it might get better results to draw up a form to be sent to all people concerned, with specific questions which could be filled in with a minimum of trouble.

Curtis suggested that it would be a good idea to set up a new subcommittee to handle the project for setting up the Arboretum Associates. He stated that he felt it would be preferable if he were not to be on this subcommittee.

Curtis brought up the matter of appropriate names for areas within the Arboretum, noting that a subcommittee set up some time ago - consisting of Curtis, Gallistel and Longenecker - had not so far functioned. It was agreed that the tract which had been acquired from Haen should not be so named.

Curtis questioned the size of the tract that the University got in the land exchange with Haen, and stated that there was doubt in his mind as whether or not some land had been sold off while negotiations were in progress, and that possibly we did not receive as much as was stipulated in the original proposal.

Curtis offered a planting plan for the tract acquired from Haen. The site for current planting of pines in the tract was approved as presented.

Curtis presented three new research projects for approval: 1. Selection and improvement of Wisconsin wild flowers desirable for cultivation and use in gardens; 2. Test hardiness and desirability of small shrubs for use in landscape plantings; 3. The establishment of a named collection of Viburnums, or a sort similar to the lilac collection. All these projects were approved.

Curtis suggested that it would be highly desirable to get the full complement of trees set out in the Horticultural Area as soon as possible, whether the accompanying subsidiary plants could be made at this time or not. He felt it was not good public relations to have a large area adjacent to the public road apparently not in use, and also of course the time element is important in establishing trees.

Curtis questioned whether publications coming to the Arboretum as a result of exchange for the Arboretum Journal Series should go to the University Library or retained by the Arboretum. No final decision was reached on this.

Curtis presented a map indicating new parking spaces desired in the Arboretum for use of research personnel, including some in the Grady Tract and the tract recently acquired from Haen. These were approved.

Hasler asked whether grouse could not be successfully transplanted into the Arboretum. McCabe stated that it could undoubtedly be done, but that there were temporary practical administrative, legal obstructions which he thought would be eliminated in the near future.

Curtis pointed out that a subcommittee (McCabe, Emlen, Hasler) had been set up to study and evaluate possible use of the east marsh area from the Zoology-Game management standpoint, and suggested that it would be a good idea to include the west marsh in this. He pointed out that growth of aspen is becoming a serious problem. McCabe agreed to take action on this in concert with Curtis.

H. C. Greene, Secretary

MINUTES

**ARBORETUM COMMITTEE MEETING
March 11, 1954**

Present: Professors Cottam, Curtis, Dickson, Greene, Hasler, Hole Longenecker, Neess, and Messrs. Gallistel and Jacobson.

Curtis read a letter he had composed for newspaper publication thanking the various Town Fire Departments and the volunteers who answered the Lane County Sheriff's call in connection with the disastrous fire in the Grady Tract on the Monday afternoon of March 8, 1954. Gallistel stated that he had had the same idea, and thought it would be highly desirable to have such a letter, but that it might be even more effective if it were to be signed by President Fred on behalf of the University. He will approach President Fred on this matter.

Curtis stated that Mr. Jacobson is in the process of assessing damage done by the fire, and the necessary damage caused incidental to it, such as cutting fences, and the severe cutting up of the land due to passage of heavy fire equipment over soft and sandy soil, with consequent injury to plant associations established thereon. Archbald has taken pictures showing the damage and aerial photos will be taken showing the total extent. The Chicago and Northwestern Railroad, admittedly responsible for the blaze due to their burning operation along their right-of-way adjacent to the Grady Tract on a day when burning was obviously most inadvisable and dangerous, will be billed for the full amount of the damage and the cost of the fire equipment employed in fighting the blaze.

Curtis brought up the matter of plowed fire breaks in the south part of the Grady Tract to minimize danger of future fires spreading through the area in parts now undamaged and possibly even jumping the Beltline Highway to the pine plantation on the north side of the road. It was agreed that some such plan will have to be made and action taken as soon as practical. Curtis also pointed out that the pines on the Grady Tract just south of the Beltline are too close to the road, from the standpoint of fire hazard, and should be cut back to a safe distance. It was agreed that this should be done as soon as possible.

Jacobson stated that he thought the Nakoma Golf Club maintenance employes were getting over onto Arboretum property in connection with some of their operations, but Gallistel and Longenecker doubted that this was the case. The question was brought up as to the Arboretum line in the area where it impinges on the Forest Park plat in the southeast part of the Arboretum. Dickson stated that this had never had a proper survey, but that it would be desirable to have one made.

H. C. Greene, Secretary

MINUTES

ARBORETUM COMMITTEE MEETING
April 8, 1954

Present: Professors Funn, Cottam, Curtis, Dickson, Hole, and Longenecker
Messrs. Gallistel and Jacobson

Curtis presented a research proposal from A.W. Schorger to study the effect of fertilizer on the yield of oak mast. A region in the Grady Tract, north of the prairie embayment, consisting of about 100 trees, was requested, with the aid of the Arboretum labor crew to make the initial application of fertilizer. Approved.

Dickson brought up the question of providing labor for all research projects. After some discussion the subject was dropped. It will be discussed again in the near future as a matter of general policy.

Curtis presented a research proposal by Hole on soil development. Approved.

Gallistel read a letter from Asst. Atty. General Warren Hesh in regard to the March 9 fire in the Grady Tract. The question of establishing the amount of damage was discussed. Curtis questioned how to determine the value of an oak tree. Dickson suggested getting an estimate of the lumber value, but Curtis stated that the lumber value of these particular oaks was small. It was the general feeling that having the fire departments send bills would establish an undesirable precedent.

Gallistel presented a petition from the residents of Winger Drive concerning the dredging and cleaning of the creek and the adjacent bank on the Arboretum side. Not approved.

The Monroe St. area sewer problem came up again. A revised route has been proposed. Longenecker presented a plan for assessing damages, including resodding of grassed area, replacement of trees, and an inventory of the area prior to starting the work. Curtis proposed that the Arboretum accept a cash settlement and do its own resotation, rather than require the Sewerage District to do it. The revised plan was finally approved, with regrets, by a vote of 5-2.

Longenecker presented a plan for planting the Horticultural Area east of the lilacs, including an enlargement of the parking lot next to the entrance to the headquarters. It was agreed that the present parking lot be improved, but that the enlargement should wait until a plan for the landscaping of the proposed headquarters building and the grounds surrounding it is worked out.

Curtis presented a plan for future development of the Grady tract. In this connection he proposed establishment of a new fire lane and fire break along the crest of the ridge separating the oak opening from the oak woods and the pines. A bulldozer will be required to level the area for this fire lane and the plowed fire break north of it.

The following items of cost on the Grady fire were worked out:

- Cost of dead and damaged trees (horticultural and lumber value).
- Cost of removal of down trees.
- Cost of repairing fences, etc., due to fire.
- Cost of services of fire departments.
- Cost of damage done by fire trucks to research areas.
- Replacement of the boundary fence along the railroad right-of-way.

Grant Cottam, Acting Secretary

Arboretum Technical Committee

May 11, 1954.

Present: - Curtis, Greene, Hasler, McCabe, Longenecker,
Jacobson

Curtis presented project for approval - selection of strains
of prairie grasses resistant to grazing.

Curtis presented project by J. L. Medler for bundle sheath study
Approved.

Curtis presented project by R. J. Dicks for biol. survey of
insects in Arb. Approved.

Curtis brought up plans for Grady Tract.

Hasler moved that Conservation Dept. be notified deer

Arboretum Committee Meeting

May 13, 1954.

Present: - Cottam, Curtis, Gallistel, Greene, Hasler,
Kongrecker, McCabe, Neess, Jackson,
Jacobson.

Prof. Allen of Entomology presented request for
use of 6500 sq. ft. of sandy soil in Gandy tract
for insecticide persistence in soil over 5 yr. period

Cottam moved that proposal be rejected
on policy grounds - Curtis + Kongrecker to
write up defense of ^{our} viewpoint Motion approved

Curtis presented projects approved by Tech
Committee for full committee approval
All projects approved.

Discussion as to whether Decker's projects should
be considered as one, or a group.

Cottam reported on tree damage in
Grady Tract. 1418 trees in burned area,
60 injured, 20 of killed, 1134
136,400 bd. ft.

Jackson gave statement on physical damage
cuts, fence repair, cutting down dead trees

MINUTES

Arboretum Committee Meeting June 10, 1954

Present:

Professors Bunn, Cottam, Curtis, Dickson, Greene, Hasler, Hole, Longenecker, McCabe and Neess, and Messrs. Gallistel and Jacobson.

Jacobson called attention to deterioration of paint on metal signs in Arboretum and requested a directive as to whether present legends on the signs should be used again, particularly in the Grady Tract. It was decided they should be so used, and that regardless of attrition to signs from weather and malicious damage they should be maintained for legal reasons.

✓ In the course of a discussion as to how to protect certain areas in the Arboretum from damage resulting from trespass, it was pointed out that it would be highly desirable for us to have full time patrol of the area by qualified men in the ranger-naturalist category, whose primary function would lie in the field of public relations and in education of the public as to proper use of the area. Curtis moved that two men in this category be included in the next Arboretum budget. Seconded and passed unanimously.

Gallistel announced that the Arboretum had received \$300 from the estate of Dean Russell. This money is to be applied to research.

Longenecker reported that the Madison Garden Club has given us \$25 for the viburnum collection.

Gallistel gave the figures for damage to trees in the Grady Tract as a result of the March 8, 1954 fire. These figures were based on value as 1) stumpage, 2) logs, 3) lumber, and 4) horticultural specimens.

Gallistel stated that the Madison Nurserymen's Association wants to cooperate with the Arboretum in developing roadside plantings on the Fitchburg Road between the Beltline and the C. & N. W. R. R. It was the sentiment of the group that, so far as consistent with our interests and policy, we should cooperate. The Nurserymen's Assn. has become interested in roadside development and maintenance as a result of the widespread clean-cutting of tree-lined roadsides in the Madison area during the winter of 1953-54, in line with the current unfortunate policies of the State Highway Department.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

July 6, 1954.

Present:- Curtis, Greens, Longenecker, McCabs, Jacobson.

Although no formal action was taken, the following items were discussed and in general, approved.

Curtis suggested that the newly hired Arboretum Botanist, R. E. Shake, devote most of his attention for the present, so far as community development is concerned, to the underplanting and improvement of the Leopold Pines. It was agreed that the Arboretum labor crew will smooth out the path, which is now too rough in spots, and will assist Shake in removing some of the lower pine branches which interfere with planting operations.

The Woods Wildflower Nursery will be cleaned out this fall and, where the plants concerned can be found, they will be transplanted out of the nursery also at that time.

Steps for cleaning out and preparing the strain garden for further plantings were discussed, including mowing, and rototilling of certain strips.

Curtis suggested that the small swamp white oaks now in the nursery be transplanted to the low, fairly moist, southwest part of the Grady Tract.

Curtis inquired about status of new fence at the Feville Prairie. It was indicated that corner posts had been set, but no further work done as yet.

There was a discussion at some length of the proposed southern pine-oak-herb community to be established in the newly acquired northeast piece of the Grady Tract.

A summary of the summer agenda of plant-community tasks is enclosed.

H. C. Greens,

Secretary

MINUTES

ARBORETUM TECHNICAL COMMITTEE MEETING
October 8, 1954

Present: Professors J. T. Curtis, J. T. Emlen, H. C. Greene,
G. Wm. Lonsenecker, W. A. McCabe, and Messrs. A. F.
Gallistel and J. R. Jacobson.

Meeting was held in the Grady Tract.

The purpose of this meeting was to inspect the line of the proposed plowed fire break in the Grady Tract and to pass on location of gate and new access road. The break had been previously brushed out and the members of the committee walked the length of it. Approval was given to the general plan with certain slight modifications.

H. C. Greene, Secretary

MINUTES

ARBORETUM COMMITTEE MEETING
October 14, 1954

Present: Professors J. T. Curtis, J. T. Dickson, H. C. Greene,
F. D. Hole, G. Wm. Longenecker, and Messrs. A. G.
Gallistel and J. R. Jacobson

Curtis outlined the Technical Committee inspection and approval, with slight modifications, of the proposed new system of lanes and plowed fire breaks. The committee approved and work will go ahead as soon as possible. A map showing the approved plan is enclosed.

Hole has undertaken to have prepared a soils map of the sand pit area (the newly acquired piece in the north-east part of the Grady Tract).

Greene suggested that it would be desirable to extend our footpath system which now runs from the east end of the Wingra Woods to the vicinity of the lilac plantings so as to follow along the edge of our property adjacent to that of the Wakoma Golf Club and connect with the Noe Woods footpath.

H. C. Greene, Secretary

Enclosure

MINUTES

ARBORETUM COMMITTEE MEETING
December 9, 1954

Present: Professors Curtis, Dickson, Greene, Longenecker, McCabe, Neess, Sauer, Schorger, and Trenk, and Messrs. A. F. Gallistel and J. R. Jacobson.

Dickson moved that the Slane property be purchased forthwith. Passed.

Curtis moved that 2 1/3 lots currently available in Lost City area be purchased (\$99.52 total). Passed.

Curtis recommended approval of a project sponsored by Emlen, to be carried out by Jack Millar of the Zoology Department, on behavior and migrational studies of the American crow. This would involve trapping for banding purposes in a designated spot in the southeast portion of the Grady oak opening and possible erection of an aviary east of the headquarters on the cement base remaining from a garage of CCC days. Approval given.

Neess brought up question of progress of lake fill in front of Hydraulics Laboratory in Lake Mendota. Gallistel stated it is practically completed, but Neess pointed out that several truck loads of rubbish have recently been dumped to the west of the fill area and along the shore. He also brought to the attention of the committee that the concrete rubbish recently removed from the lower campus has been dumped in Bascom Woods. Curtis stated that the Biological Division is currently working on a long range plan for the Bascom Woods area to prevent such actions in the future. No formal action was taken but it was the feeling of the committee that it should support the Biological Division in this matter.

Longenecker stated that Mr. Swan of the Dane County Highway Dept. has agreed to provide the bulldozer necessary to make the planned plowed firebreak in the Grady Tract. In exchange for this the Highway Dept. will receive for roadside planting purposes trees which will be lost through changes in the fire lane system in the Grady Tract.

Mr. Lord of the Wisconsin State Historical Society has requested that papers relating to the early history of the Arboretum, which Col. J. W. Jackson proposes to turn over to the Arboretum, be transferred for safekeeping to the Historical Society where they will continue to be available for our purposes. Schorger moved that, when received, these papers be so transferred. Passed.

McCabe reported on the status of the annual rabbit removal program.

Gallistel reported that a total of \$56 in gifts has been received recently through the Wisconsin Foundation.

H. C. Greene, Secretary

Arboretum Committee Meeting

January 19, 1955

Present:- Curtis, Emlen, Gallistel, Greene, Jackson, Longenecker, McCabe,
Neess, Sauer, Schorger, Jacobson.

No business was transacted at this meeting.

H. C. Greene

Secretary.

Arboretum Technical Committee Meeting

February 10, 1955

Present:- Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson.

Mr. Wisby of the Zoology Dept. presented a request for approval of certain modifications in fish studies he is carrying out in the Gardner Ponds. Approval granted.

Mr. Emlen of the Zoology Dept. presented a new project for study of seasonal and annual variation in selection of elements by small mammals, employing impregnated wood blocks in some of the fields near the Headquarters Area. Approved.

Mr. Ellarson of Forestry & Wildlife Management has requested permission to increase the number of nesting boxes in the bluebird-tree swallow study from 60 to 130. He supplied a map showing proposed locations of all boxes and his request was approved with the provision that the project would be terminated within five years in the area immediately south of the headquarters nursery, where the land will be required for other purposes at that time.

Mr. Curtis, in connection with the damages resulting from the fire in the Grady Tract in March 1954, called to the Committee's attention a method of the computing the value of shade trees appearing in the AMERICAN NURSERYMAN for Dec. 1946. This is to be mimeographed and will be used as a guide in our damage claims against the C. & N. W. R. R.

Mr. Curtis brought up for discussion the detailed Master Plan for the Leopold Pines, prepared by his students under his supervision last fall. Extensive consideration was given to the proposals. Final approval of the detailed recommendations was delayed until a succeeding meeting. Mr. McCabe, with Mr. Emlen, has agreed to revise the section dealing with the fauna.

H. C. Greene, Secretary.

Arboretum Committee Meeting

February 16, 1955

Present: Curtis, Dickson, Gallistel, Greene, Hole, Longenecker, McCabe
Sauer, Schorger, Jacobson.

Gallistel stated that the Chicago & Northwestern R. R. has made an offer of \$7500 in compensation for fire caused by the railroad in the Grady Tract in March 1954. It was the consensus of committee opinion that Ass't. Attorney General Resch should be approached as to the feasibility of presenting the railroad with a counter-offer, since the \$7500 figure is considerably below what we felt to be a fair one. Gallistel agreed to do this.

Curtis stated that the Master Plan for the Leopold Pines is now in the process of final writing-up, and will probably be ready for submission to the full committee at the next regular meeting.

Supt. Jacobson called to committee attention difficulties in connection with damage to our fences, especially in the Grady Tract, resulting from people breaking them down by climbing over them. The feeling was that it is impossible under present conditions to keep out people on foot, and Jacobson was instructed to construct a foot stile over the Grady fence near the Beltline at the point where the main entrance to the area will be under the new system of roads and fire lanes.

✓ Curtis moved that a subcommittee on public relations be appointed. Seconded by Longenecker and unanimously approved. Means of approach suggested were an annual report to the University of Wisconsin faculty, use of the Arboretum News Letter, and use of the widely distributed NEWS of the Univ. Wis. News Service. The Arboretum movie now in preparation might possibly be shown, it was suggested, over WNA TV.

Gallistel reported that the county board has been approached on the proposition of zoning everything south of the Beltline as commercial, but that he, Gallistel, does not think that this proposal will succeed.

MCCabe reported on the rabbit drives of the past winter. Curtis mentioned observing serious damage to large specimens of hawthorn recently in the Leopold Pines area where, due to snow drifting against the trees, rabbits had been able to girdle them high above the ground.

H. C. Greene, Secretary.

THE UNIVERSITY OF WISCONSIN
ARBORETUM AND WILD LIFE REFUGE
MADISON 6

February 17, 1955

To members of the Arboretum Technical Committee:

There are a number of topics concerning technical aspects of Arboretum development and planning that need attention. Could we meet on the final Friday of every month at 9:00 A. M.? This would include March 4, April 1, and May 6. The first meeting will be in my office, R 58, Biology Building, the others probably in the Arboretum.

Unless I hear to the contrary, I will assume the March 4 is OK. Topics to be discussed: Pine Forest Recommendations, Arboretum Research Report.

JTC
J. T. Curtis

Chairman, ATC

JTC/al

Arboretum Technical Committee Meeting

March 4, 1955

Present:- Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson.

A list of 20 recommendations for the pine forests of the Leopold, Sandpit and Grady Tracts, dealing principally with development and maintenance, were approved.

A statement of policy, as to use of the Arboretum by students and University staff members in the field sciences or in the arts, was approved. The Arboretum Committee encourages such use, and to such an end maintains parking lots and has had foot trails constructed. A map is to be included showing parking areas, trails, and areas still restricted because development is still in active progress.

Curtis stated it is desirable to have the trail system extended to allow of complete circulation through the Arboretum, without the present necessity of retracing one's steps. He desires the wild flower trail to be relocated so that it will come out directly opposite the Wingra Springs parking area, rather than at the bottom of the hill as it now does.

McCabe, with Ealen as junior author, has undertaken to write up the birds of the Arboretum, and Ealen, with McCabe as junior author, will write up the mammals of the area.

Cottam, chairman, Greene, and Longenecker were appointed by Gallistel as a Committee on Public Relations.

It was decided to use the same type of research report as last year. It will be emphasized that projects will be discontinued as of April 1st, 1955 if no report has been received by that date.

Curtis mentioned that east end of the old prairie will be burned this year, and pointed out necessity of getting shots to be used in the Arboretum movie showing our methods of setting and handling prairie fires to go with the Disney fire shots taken two years ago.

Longenecker agreed to design card of acknowledgement and thanks, similar to that used by many other arboreta and botanical gardens, to be sent particularly to those sending us seeds in exchange.

Curtis presented a sample write-up entitled "Woody Plants of the University of Wisconsin Arboretum." It is planned to use material of this sort in inserts accompanying the regular issues of the "Arboretum News". These will eventually cover the entire list of woody plants, native and cultivated, in the area and can then be bound together. McCabe moved that the write-ups be expanded to include more information and historical material. Both project and McCabe's motion approved.

Curtis presented a letter from an Austrian correspondent requesting a collection of cuttings of named species of willow. It was agreed that nothing could be done in 1955, but that an attempt would be made to meet the request in 1956.

Mr. Breitenbach of the Zoology Dept. presented a request to use land in the headquarters area for a number of large cages for pheasants. It was felt that his project should be referred to the Picnic Point area, and Curtis will so inform him.

Gallistel stated that Ass't Attorney General Resch has agreed to submit our counter-offer, in connection with settlement for fire damage in the Grady Tract in March 1954, to the Chicago & N. W. R. R.

Curtis presented a series of possible "topics for the day" for future general Arboretum Committee meetings, and various plans for obtaining fuller participation in the business and affairs of the Arboretum by all Committee members - not merely members of the Technical Committee - were discussed.

H. C. Greene, Secretary.

Arboretum Committee Meeting

March 16, 1955

Present: Cottam, Dickson, Gallistel, Greene, Hole, Longenecker, Sauer, Schorger, Jackson, Jacobson.

Jackson stated that the Williams heirs have received an offer from a real estate subdivider and that, in all probability the entire Williams property will very shortly be cut up into lots. It appeared that there is almost no chance for a successful counter-offer for the piece.

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

April 5, 1955.

Present:- Curtis, Ealen, Greene, Longenecker, McCabe, Jacobson.

A research project submitted by R. I. Evans of the Univ. of Wisconsin Botany Dept. to study moss succession under stands of planted pines was approved.

Curtis presented maps showing the foot trails through the Arboretum, in existence and as proposed. It was suggested that perhaps two maps might be made up, one to be circulated to those of the University instructional staff who might be taking classes to the area, the other to be inserted in the University MEMO publication for circulation to the entire University community. Some of the new paths are now staked out and it was agreed that Committee members would survey these for final approval.

Curtis stated that large masses of wildflowers will be lost as a result of a highway relocation in Dane Co., south of Mt. Horeb, and pointed out that it would be highly desirable for the Arboretum to move as many of these as possible if it could be arranged with the highway authorities. Longenecker agreed to get in touch with the Dane County Highway Commissioner to obtain permission to do this.

The projected burning of the east portion of the old prairie was discussed and Jacobson stated that it could be done at any time from now on. Tentatively this was set for the latter part of the week of April 10-16.

Curtis stated that the Meteorology Dept. (Prof. Suomi) would like to relocate their tower for microclimatic studies, currently near the Willows Drive, and had inquired of him as to the availability of the Arboretum for this purpose. It was agreed that we are interested and Curtis will seek further information as to what their requirements may be.

Curtis stated that the seed exchange has reached proportions where it is now taking more time than is at all commensurate with present return and that it seemed that it might be desirable to de-emphasize this activity from now on. It is felt that some sort of exchange can be maintained as long as we are collecting on a large scale for our own purposes, but that when we cease to do that, institutions wishing seeds from us will have to make special arrangements.

Curtis pointed that many Arboretum Committee directives of the near and more distant past have never been implemented and there was discussion as to how this situation might be remedied. It was suggested that the secretary of the Arboretum Committee chairman be directed to extract such directives from the minutes, where they tend to be "buried", and keep a running list of the same, checking them off as carried out.

Curtis moved that the shelter house in the camp woods be removed, in view of the fact that we are now opening the gates and that this structure as it stands offers great temptations to fire building. Approved and to be submitted to the next meeting of the large committee.

In view of imminent new construction along the Beltling adjacent to the Arboretum it is felt that it is vital the Highway Dept. be approached before construction begins, with reference to erosion and drainage control as it will affect the Arboretum and also with reference to obtaining an underpass to the Grady Tract. Gallistel will contact the Highway Dept.

It was agreed that it is very important to the future welfare of the Arboretum that we have as wide public support and acceptance as we can possibly obtain and one necessary step is to familiarize as many people as possible with the area by conducted tours through it. It was felt that this should be discussed in some detail at the next meeting of the full Arboretum Committee, with reference to implementing it.

H. C. Greene, Secretary

Arboretum Committee Meeting

April 20, 1955

Present: - Cottam, Curtis, Emlen, Gallistel, Greene, Hole, Longenecker, McCabe, Sauer, Schorger, Trenk.

Longenecker reported on a recent planting of native plum along the Fitchburg Road boundary of the Grady Tract. The stock had been carried in the nursery for a couple of years for better and more rapid development.

Curtis stated that Mr. Millar of the Zoology Dept. had presented a request to in connection with a crow study project already under way to build a large cage in the Headquarters area to be used for orientational-directional studies of captive crows. It was the feeling of the Committee that this had no real connection with the project in being and should be presented separately. Emlen agreed to ask Millar to draw up a separate project. He also agreed to have Millar remove objectional carcasses from the trap now set up in the Grady Tract.

McCabe objected strongly to a suggestion by Longenecker that it would be desirable to have the orientation cage in some less conspicuous place. It is his feeling that appearances are a negligible consideration and that the cage should be placed at whatever site those conducting the research feel will best serve their purpose, no matter what else may be there.

Curtis stated that workers in the medical school had presented a request that they be allowed unlimited trapping, for experimental medical purposes, of 13-striped spermophiles and Franklin ground squirrels, plus a limited number of gray squirrels for control purposes. It was agreed that there would probably be no objection to removal of the 13-striped spermophiles, but that permission should not be given for trapping of Franklin ground squirrels and gray squirrels. Curtis will inquire more closely into this proposal.

It was stated that employees of the Nakoma golf course were parking on Arboretum land adjacent to their tool storage shed. In this connection it was emphasized that it is desirable to close off this entrance road for brief intervals at regular periods to prevent right to an access road being established, which might be of great importance at some future time if the golf course should go into a real estate subdivision.

Curtis stated that it would be desirable to have student help in the nursery and Gallistel indicated funds for such purpose will be available.

Curtis stated that due to an unexpectedly good "take" of prairie grasses in the areas bulldozed in the west and west-central portions of the prairie two years ago, a supply of prairie seed is now available for use on the old fence row in the east-central part of the prairie, provided that can be bulldozed this year.

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

May 3, 1955.

Present: - Curtis, Ealen, Gallistel, Greene, Longenecker, McCabe, Jacobson.

Prof. R. J. Dicke of Entomology has submitted a project dealing with trapping of rabbits for study of their ectoparasites. This was tentatively approved and more information will be sought as to proposed locations for the traps.

Mr. R. G. Hitt of Genetics has requested, for tree planting purposes, the use of 3 acres in the northwest corner of the "Bishop's piece". This will be granted if a release can be obtained from Mr. Lyman McKee who had a prior arrangement with the Arboretum for use of this piece in the summer of 1955. Otherwise it will be necessary for Hitt to use land in the plot already assigned to Genetics. Approved was an arrangement whereby pine seedlings belonging to Genetics will be planted and held over summer in the Arboretum nursery, to they may be watered if necessary.

Curtis suggested that it would be highly desirable for the Arboretum to remove some of the wild flowers from the University-owned Eagle Heights area, since it appears they have no protection there and will, if left, probably suffer destruction in the near future. Gallistel agreed to inquire about this and seek to obtain permission for flower removal from those in charge of the area.

Curtis brought up the question of getting rid of some of our serious weeds, including Siberian honeysuckle, buckthorn, and weed oaks in the Grady Tract. It was agreed that he is to consult Egger, the eastern weed expert, on this matter and report back to the committee.

H. C. Greene, Secretary.

Arboretum Committee Meeting

May 24, 1955

Present:- Cottam, Curtis, Gallistel, Greene, Longenecker, McCabe, Schorger, Trenk, Jacobson.

Curtis pointed out that the hemlock plantings in the Wingra Woods are showing very slow development. The possibility of growing to a fair size in the nursery before setting out was discussed. Trenk stated that he thought it would be possible to obtain medium-large trees of specimen size in northern Wisconsin, and that these could be successfully transplanted if they were root-pruned in advance. He promised to look for sites from which such trees can be had.

Curtis also reported that the maple and birch seedlings in the Wingra Woods were being badly injured by the wire screens used to protect them from rabbits. Longenecker stated that a program of maintenance was about to get under way.

Jacobson stated that the large fire break on the Grady Tract has now been graded and should be in condition for access use before long. It is planned to gravel it in the center on the slopes.

Curtis reported that sizeable jack pines from the Wisconsin Rapids nursery will be available for the plantings south of the Beltline this summer.

Gallistel reported on the results of a meeting with Highway Dept. officials concerning the effect on the Arboretum of the proposed overhead at the Nakoma Road intersection. It appears that so far no definite plans have been drawn up, but Gallistel was assured that nothing was contemplated which would adversely affect the Arboretum.

Greene reported on the presence of a serious fungus disease - due to Rhizosphaera kalkhoffii - on our plantings of white spruce. The disease produces a needle cast, seriously damaging the appearance of the trees and ultimately bringing about their death. Greene was asked to consult with local forest pathologists as to possible methods of disease control or eradication.

Gallistel reported that the University has purchased a new truck for the Arboretum to replace our badly battered pre-war specimen.

H. C. Greene, Secretary.

Arboretum Committee Meeting

July 21, 1955

Present:-

Curtis, Dickson, Ealen, Gallistel, Greene, Longenecker, Sauer,
Trank, Jacobson.

At this meeting, held in the Arboretum, no formal business was transacted but a number of matters of interest were discussed, and following the meeting the members of the committee inspected the nursery at the headquarters.

H. C. Greene, Secretary.

Arboretum Committee Meeting

Sept. 22, 1955.

Present:- Cottam, Curtis, Dickson, Gallistel, Greene, Hole, Longenecker, McCabe, Neess, Trenk, Jacobson.

Longenecker reported on recent improvements - the new woods trail, new parking lot and access to lilac plantings, and the offset gate at the new main entrance to the Grady Tract.

Curtis inquired about budget money available for student help. He stated that it would be desirable to have regular Technical Committee meetings for some period to come, once a month shortly before the full Arboretum Committee meetings. Tuesday mornings at 10 was set as a tentative time, with the understanding no definite time can be set until all Technical Committee members are consulted.

Dickson stated that the Fish Hatchery Road along the east boundary of the Arboretum is about to be straightened and widened and that the Arboretum should be ready with a plan for the east entrance so that we can get finished a job done to our satisfaction.

Gallistel reported that the Highway Dept. is about to build the north lane of the Beltline Highway. He has talked the matter over with the Dept. officials and it appears that they are willing to construct a 12-foot tunnel connecting the main Arboretum and the Grady Tract. There was a discussion of the new problems that the Arboretum will face as a result of the road widening, especially that of protecting the pine plantation. Dickson suggested that a heavy close-mesh wire fence might be useful in keeping litter out of the plantation and serve thus as a fire-break. It was further suggested that, instead of a new fire lane inside the fence it would be highly desirable if we could arrange to have a blacktop access road just outside the fence on the right-of-way.

McCabe reported that the Department of Agr. Journalism has made a film for educational TV of the tree-swallow blue-bird nest box setup on the Arboretum.

Jacobson reported that the Grady fire-break is practically finished, except for gravelling. He was instructed to determine how much gravel would be needed and report to Gallistel so that a request, if necessary, may be made for funds for purchase of the gravel.

H. C. Greene, Secretary.

Arboretum Committee Meeting

October 20, 1955.

Present:

Cottam, Curtis, Dickson, Gallistel, Greene, ^{Hole,} Longenecker, McCabe,
Schorger, Jacobson, ^

Longenecker stated that the Nakoma Welfare League desires to erect a drinking fountain of the bubbler type in the Duck Pond area along Nakoma Road. After some discussion it was agreed that we will sanction the erection of the fountain, provided it is placed outside our wall on city property.

Curtis reported on two Zoology Dept. research projects, one in being, the other proposed. 1) John Millar currently has a project on Picnic Point entitled "Studies on Mechanisms of Migration" (a new title). The study requires a relatively large space for a circular cage and fencing around it, and he has requested that the cage now in the Grady Tract, which was used in his crow study in the spring of 1955, be set up for other purposes on Picnic Point. Mr. Millar's additional requests were approved. 2) Patricia DeCoursey wishes to initiate a flying squirrel study on the Arboretum proper. Among other things, this would involve trapping in the Wingra Woods, the Noe Woods, and the Grady Tract oak opening. Final approval was withheld pending fuller information as to details.

McCabe stated that he has a student working up the natural history of the Picnic Point area and is considering submitting the manuscript to The Wisconsin Academy of Science for their consideration for publication in the Transactions.

Curtis pointed out that the University as of last July had abandoned its bus service, a service which was very useful to those conducting classes in the Arboretum and to many other elements in the University as well. It was agreed that an investigation of this would be made at once, with a view to reinstatement of this desirable service.

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

November 8, 1955.

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker.

Curtis suggested that it would be a good idea for the Arboretum to have a printed card form for acknowledgement of receipt of seed packets and other items from correspondent arboreta and botanical gardens. Longenecker agreed to design such a card and have a supply printed.

Curtis inquired about continued use of Arboretum labor, beyond the normal initial use, on the plots now in use by Prof. Trenk. Jacobson is to be instructed that there is to be no more such labor use without Committee approval.

Curtis and Cottam presented for approval a project entitled "Factors Affecting the Weed Stage in Secondary Succession". The project was approved. It will be carried on on that part of the Arboretum near the intersection of the Beltline and the C. & N. W. RR. and in the Grady Tract.

Curtis reported that in 1955, after several years, a good stand of legumes was obtained on plots originally set up by D. Archbald. The plots were set up in a place where there was an exclusive and heavy stand of quack, and the only preparation, previous to broadcasting the seed, was burning off the dead grass. Curtis reports that the quack grass has now almost disappeared from the plots.

Curtis noted that the seed exchange for 1955, mostly spring flowering plants and decidedly less ambitious in point of number of offerings, has met with a very good response from our correspondents and that many items are already exhausted.

Curtis wants to order certain types of equipment for Arboretum purposes, including a hand level for Jacobson, a larger seed scarifier than we now have and seed screens. It appears that funds are available.

Prof. Dicke of Entomology has been supervising an intensive project dealing with the ectoparasites of Rabbits. He has requested that the rabbits obtained through our annual trapping and shoot-off control activities be first turned over to him for parasite determination, after which Wildlife will make further studies on them as it has in the past. Approved.

Gallistel presented a list of appointments to the various Arboretum subcommittees for the year 1955-56. These committees are Executive, Technical, Publicity, Endowment, Publications, Land Record, Evaluation, and Inspection.

Curtis suggested that it would be highly desirable to have, without further delay, definite names for various areas of the Arboretum now lacking them. He pointed out that a committee was set up for this purpose, but has so far done nothing about it.

THE NEXT MEETING DATES OF THE ARBORETUM TECHNICAL COMMITTEE WILL BE AT 8 AM TUESDAY, DECEMBER 6, AND 8 AM TUESDAY, JANUARY 10.

H. C. Greene, Secretary.

November 8, 1955

To: Arboretum Committee Members

Dir. A. F. Gallistel, Chairman
 Profs. G. Cottam
 John T. Curtis
 J. G. Dickson
 J. T. Emlen
 L. E. Engelbert
 G. W. Foster
 H. C. Greene
 A. D. Hasler ✓
 G. Wm. Longenecker
 R. A. McCabe
 I. C. M. Place
 A. W. Schorger

Gentlemen:

The following Arboretum Committee appointments have been made for the year 1955-1956.

Executive Committee -

Dir. A. F. Gallistel, Chairman
 Prof. John T. Curtis
 Prof. G. Wm. Longenecker

(To perform usual duties of an Executive Committee)

Technical Committee -

Prof. John T. Curtis, Chairman
 Dir. A. F. Gallistel
 Prof. H. C. Greene
 Prof. A. D. Hasler
 Prof. G. Wm. Longenecker
 Prof. R. A. McCabe

(As indicated by the name, this committee will have supervision of technical work being done in the arboretum by members of the committee as well as other University departments. All projects will be submitted to this committee, which will make recommendations to the larger committee)

Publicity Committee -

Prof. G. Cottam, Chairman
 Prof. G. Wm. Longenecker
 Prof. R. A. McCabe

(It will be the function of this committee to disseminate information, primarily to faculty members on the campus, so that they will be appraised of the facilities and purposes of the Arboretum. It is hoped that this will increase the use of the area)

Arboretum Committee Members

November 8, 1955

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Endowment Committee -
(Arboretum Associates)

Prof. J. G. Dickson, Chairman
Prof. G. W. Foster
Prof. A. W. Schorger

(It is the purpose of this committee to create interest in the Arboretum so that an organization may eventually be created to accept gifts and probably create an organization such as the "Friends of the Library")

Publications Committee -

Prof. H. C. Greene, Chairman
Prof. L. E. Engelbert
Prof. A. D. Hasler

(It will be the function of this committee to supervise publication of material credited to the Arboretum, the Newsletter, etc.)

Land Record Committee -
(Historical)

Prof. L. E. Engelbert, Chairman
Prof. John T. Emlen
Dir. A. F. Gallistel
Arboretum Botanist

(It will be the function of this group to prepare an historical record of land acquisitions and other matters of interest. A large part of the information is available in the office of Physical Plant Planning but should be assembled)

Evaluation Committee -

Prof. G. Wm. Longenecker, Chairman
Prof. John T. Curtis
Dir. A. F. Gallistel
Prof. A. D. Hasler
Prof. I. C. W. Place
Prof. A. W. Schorger

(It will be the function of this committee to determine whether the Arboretum is serving the purposes for which it was established. ~~It will also disseminate information to the nurserymen, garden clubs, and general public through the Publicity Committee.~~)

Inspection Committee -

Camp	- Dir. A. F. Gallistel
Grady Forests	- Prof. G. Cottam
Old Prairie, Faville-	Prof. John T. Curtis
Lost City, Bishop	
Tract	- Prof. J. G. Dickson
Picnic Point	- Prof. J. T. Emlen
Ros Woods	- Prof. L. E. Engelbert
Wingra Woods	- Prof. G. W. Foster
Grady Prairie	- Prof. H. C. Greene

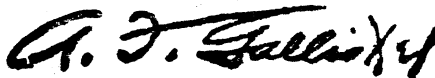
Inspection Committee -

- Lake Wingra, East -
- Marsh and Ponds - Prof. A. D. Hasler
- Horticulture Areas - Prof. G. Wm. Longenecker
- Teal Pond, Jack Pines - Prof. R. A. McCabe
- Leopold Pines - Prof. I. C. M. Place
- Wingra Shore - Prof. A. W. Schorger

(Note that a section of the Arboretum appears before the name of each committee member. It is the intention that the assignment will be of particular interest to the member designated and that he will report periodically regarding activities, conditions, requirements, etc. of his particular area.)

I will appreciate having you accept the assignments designated above. Please feel free to make inquiries and suggestions. There will be further discussion of the special committee assignments at the next meeting of the Arboretum Committee.

Very truly yours,



A. F. Gallistel, Chairman
Arboretum Committee

Arboretum Committee Meeting

November 17, 1955.

Present:- Cottam, Curtis, Dickson, Engelbert, Gallistel, Greene, Hasler, McCabe, Place.

Curtis presented project for study of flying squirrels by Patricia DeCoursey of the Zoology Dept. This project had been presented earlier to the Technical Committee, but approval was withheld pending further information as to procedure. This information was given and the project was approved by the Arboretum Committee at this meeting.

Curtis stated that a range finder, valued at \$35, is missing from the Botany room of the Arboretum Laboratory. He suggested that it would be desirable that the room no longer be used as a traffic way to other portions of the laboratory and that the lock on the outside door be changed and that the inner door be kept locked. He pointed out that the other outside door is available for access to other rooms of the lab and that it does not open into an individual lab. This change was approved by the Committee.

Curtis reported on the seed exchange for 1955 and outlined it for new committee members.

Curtis, speaking for the Technical Committee, suggested that in view of land acquisitions and other changes a revision of the Arboretum Master Plan may now be in order, and he asked that committee members make known their views as to revisions.

Gallistel announced that a gift of \$300 had been received from Mr. Joseph Bradley to be applied toward purchase of the few remaining lots still to be acquired in the Lost City area.

McCabe questioned mowing activities and procedures, noting that there appeared to him to be continued encroachment on non-mowed areas and unnecessary widening of fire and access lanes. Greene expressed the opinion that mowing is done more frequently than necessary, resulting in a waste of labor.

There was a discussion of how to maintain the steadily sinking roadway along the east shore of Lake Wingra. Curtis expressed the opinion that ^{the} one answer is to continue building it up, as necessary, as it sinks into the muck.

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

December 6, 1955.

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

Curtis presented the question of place names for certain areas in the Arboretum so far undesignated by satisfactory names. A number of acceptable names were suggested and tentatively adopted. Some areas still remain unnamed but it is felt that an encouraging start has been made.

Curtis asked for suggestions, if any, as to changes in the Master Plan, but none were offered.

In a discussion of the problem of excessive grass mowing, it was agreed that a tabulation of the costs of mowing in relation to other labor costs should be the first step before decisions are reached.

McCabe moved that all the box elders be removed from along the drive between Lake Wingra and Carver Ave. Longenecker extended the motion to the effect that all box elders ultimately be removed from the other parts of the Arboretum, starting with the female trees first and then the males. Motion passed unanimously.

Gallistel moved that the Technical Committee go on record as in favor of ultimate removal of all black locust from the Arboretum. Motion passed unanimously.

Curtis pointed out the desirability of getting our tree planting program in full swing and suggested that the Horticultural Area adjoining the headquarters be planted to trees, in accordance with the plan for that area, as soon as possible.

H. C. Greene, Secretary

Arboretum Committee Meeting

December 15, 1955.

Present:- Cottam, Curtis, Engelbert, Foster, Gallistel, Greene, Longenecker, McCabe, Place, Jacobson.

McCabe stated that the first rabbit shoot of the 1955-56 season was held December 11th, with good success. Foster inquired about possible adverse publicity resulting from holding shoots on Sunday at time when more of the public are apt to be on the area than on weekdays. McCabe explained that Sunday was the only day that his group could be assembled and stated that interested people are informed as to what is going on.

Longenecker reported on plantings made in the Arboretum during the past season from records furnished by Jacobson. Longenecker also reported on the stripped-down fire engine recently purchased, and presented an estimate from one equipment company as to the cost of putting the in shape for full use.

Curtis moved (phraseology by Foster) that "It shall be the objective as to future Arboretum land acquisitions to attempt to include in all deeds reservations restricting future use of the land to the Arboretum for its purposes."

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

January 10, 1956

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

It was agreed that the committee would oppose the proposed construction of a town line road between the Towns of Madison and Fitchburg which would bisect the Grady Tract.

Jacobson told committee members about an accident along the Beltline Highway on January 2nd, when a driverless truck belonging to the Bowman Dairy Co. of Madison plunged off the road down the embankment, into Arboretum property, tearing up 180 feet of our fence and damaging some trees. Fortunately there was no fire. Curtis proposed that, as a protective measure for the Leopold Pines from such fire danger, when the second lane of the Beltline is put in the Highway Dept. be requested to build up an embankment in the low areas along the north edge of the new right-of-way to prevent vehicles from possibly going into the pines and setting the plantation on fire. He pointed out that this could be advantageously worked into a drainage plan.

Curtis brought up the question of more and better publicity for the Arboretum in the face of the continually increasing pressures to which we are being subjected. There was an extensive discussion, with numerous proposals being made, and listed by Curtis. It is hoped that many of these can be implemented in the very near future.

Curtis discussed the establishment of a lime prairie association on the knoll in the central part of the old prairie. McCabe stated that he had finished his observations, made over a period of years, on some grass plots on the top of the knoll and so was not concerned over their eventual elimination.

H. C. Greene, Secretary

Suggested Place Names for Local Arboretum Areas
(as drawn up by the Technical Committee - December, 1955)

- | | |
|---|--|
| <p>1. Ho-Nee-Um Area
a) Ho-Nee-Um Arborvitae
b) Ho-Nee-Um Pond
c) Wheeler Council Ring
d) Ho-Nee-Um Parking Lot</p> <p>2. Spring Trail Area
a) Duck Pond
b) Stevens Pond
c) Spring Trail Horticultural Area
d) Spring Trail Parking Lot</p> <p>3. West Marsh</p> <p>4. Wingra Fen</p> <p>5. Nakoma Spruce-Fir</p> <p>6. Wingra Springs Tamaracks</p> <p>7. Wingra Woods
a) Wingra Woods Oak
b) Wingra Woods Maple-Birch-Hemlock
c) Wingra Woods Maple-Beech
d) Wingra Woods Swamp Forest
e) Wingra Woods Parking Lot</p> <p>8. South Shore Marsh</p> <p>9. Poplar Forest</p> <p>10. Redwing Marsh</p> <p>11. McCaffery Entrance</p> <p>12. Gardner Marsh
a) Gardner Ponds
b) Gardner Tamaracks</p> <p>13. Oak Opening Entrance</p> <p>14. Boulder Strip</p> <p>15. Lost City Oak-Hickory</p> <p>16. Lost City Pines</p> <p>17. Lost City Seed Orchard</p> <p>18. Sensenbrenner Tract</p> <p>19. Teal Pond Area
a) Teal Pond
b) Teal Pond Marsh
c) Teal Pond Swamp Conifers
d) Teal Pond Cottonwoods</p> | <p>20. Mischwald</p> <p>21. Juniper Knoll</p> <p>22. ** Woods
a) Oak-Hickory
b) Maple-Basswood
c) Sycamore-Gum-Tuliptree</p> <p>23. ** Horticultural Area</p> <p>24. Nut Tree Plot</p> <p>25. ** Prairie
a) Low Prairie
b) High Prairie
c) Parking Lot
d) Oak Opening</p> <p>26. Leopold Pines
a) Leopold Red and White Pine
b) Leopold Spruces
c) Leopold Pines-Prairie Extension</p> <p>27. Olbrich Entrance</p> <p>28. Olbrich Oak Woods</p> <p>29. Noe Woods</p> <p>30. Grady Tract
a) Grady Prairie
b) Grady Oak Opening
c) Grady Pines
d) Grady Ozark Forest
e) Grady Oak Plantation
f) Grady Entrance Parking Lot
g) Grady Central Parking Lot
h) Grady Trial Plots</p> <p>** To be Indian word meaning "Main Camp" or equivalent</p> |
|---|--|

*Can't make it
dec. can't make it = 1/3 Hasler
1/6/56*

January 4, 1956

To: Arboretum Committee Members

Grant Cottam	A. D. Hasler ✓
J. P. Turtis	G. Wm. Longenecker
J. G. Dickson	R. A. McCabe
J. T. Emlen	I. C. M. Place
L. E. Engelbert	A. W. Schorger
C. W. Foster	A. F. Gallistel
H. C. Greene	

Gentlemen:

You will note below copy of a notice just received. This road would be on the town line cutting through the Grady Tract (east and west) about where the second gate is. It would cut the tract roughly 1/3 north of this road and 2/3 south.

NOTICE OF PUBLIC MEETING

PLEASE take notice that the Town Boards of the Town of Madison and the Town of Fitchburg will meet on

JANUARY 11, 1956 at 7:30 P.M.
at the
TOWN OF MADISON OFFICES
4500 West Beltline Highway
Madison, Wisconsin

to consider the advisability of establishing a joint town road to be located on the boundary line between the Town of Madison and the Town of Fitchburg extending easterly from the Seminole Highway to the Svens Road - the proposed road would be an extension of Wilford Road to the east.

This notice is being sent to you as one of the land owners in the Town of Madison whose land would be affected by the establishment of the aforesaid joint town road and you are hereby invited to appear at this meeting and represent your interests in the matter.

BY ORDER OF THE TOWN BOARD
TOWN OF MADISON-Dane County
Wisconsin

/s/ John G. Gerlach - Clerk

I expect to attend this meeting and protest the proposal.

Hasler

Arboretum Committee Members

-2-

January 4, 1956

I would appreciate having as many as possible of the committee members attend. Can you make it? Please let me know.

Very truly yours,



A. F. Gallistel, Chairman
Arboretum Committee

AFG/p

cc: I. L. Baldwin
cc: A. W. Peterson

Arboretum Technical Committee Meeting

January 10, 1956

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

It was agreed that the committee would oppose the proposed construction of a town line road between the Towns of Madison and Witchburg which would bisect the Grady Tract.

Jacobson told committee members about an accident along the Beltline Highway on January 2nd, when a driverless truck belonging to the Bowman Dairy Co. of Madison plunged off the road down the embankment, into Arboretum property, tearing up 180 feet of our fence and damaging some trees. Fortunately there was no fire. Curtis proposed that, as a protective measure for the Leopold Pines from such fire danger, when the second lane of the Beltline is put in the Highway Dept. be requested to build up an embankment in the low areas along the north edge of the new right-of-way to prevent vehicles from possibly going into the pines and setting the plantation on fire. He pointed out that this could be advantageously worked into a drainage plan.

Curtis brought up the question of more and better publicity for the Arboretum in the face of the continually increasing pressures to which we are being subjected. There was an extensive discussion, with numerous proposals being made, and listed by Curtis. It is hoped that many of these can be implemented in the very near future.

Curtis discussed the establishment of a line prairie association on the knoll in the central part of the old prairie. McCabe stated that he had finished his observations, made over a period of years, on some grass plots on the top of the knoll and so was not concerned over their eventual elimination.

H. C. Greene, Secretary

Arboretum Committee Meeting January 19, 1956

Present: Cottam, Curtis, Dickson, Emlen, Gallistel, Hasler, Jacobson, Longenecker, McCabe.

Gallistel reported on the joint meeting of the town boards of Madison and Fitchburg with reference to putting a town road along the border of the two towns, which would go through the Grady Tract just north of the old racetrack and along the old access road to the Gardy Tract. A resolution was passed at this meeting to submit the problem of development of the area south of the belt line to the state planning board for advice and recommendations before making definite plans for such a road. Four members of the Arboretum Committee were present at this meeting.

The Arboretum Committee discussed this meeting, and the plan for a road, and the effect of such a road on the arboretum. It was pointed out that there is some talk to making this road a through highway extending all the way from Mt. Horeb to U. S. Highway 14.

Another outcome of the meeting of the two towns boards was the evident feeling of bitterness among several residents of the two towns, especially the town of Fitchburg about the hunting of rabbits on the arboretum. Some of the people present considered this research project to be a private hunt. Ways of counteracting this adverse criticism were considered. Among the suggestions were:

Hasler: Stop the rabbit hunting on the Gardy Tract.

Dickson: Have McCabe address meetings of the School PTA's in the area to explain the reasons for the hunt, and the reasons why it is conducted as it is, as well as to give a general statement of the purposes and values of the arboretum. McCabe volunteered to do this.

Curtis: Organize a guided tour of the arboretum for the residents of the two towns.

Hasler: Organize guided tours for the cub scouts of the school districts adjacent to the arboretum.

Curtis: Remove signs that say "No Trespassing" from the Gardy Tract and put up a sign similar to those at the other entrances to the arboretum explaining the restrictions to the use of the area. A motion to this effect was made by Curtis, seconded by Hasler, and passed unanimously.

Longenecker reported on further developments concerning the request of the Nakoma Welfare League that a drinking fountain be installed in the Duck Pond area. The Welfare League is opposed to having the fountain installed outside the wall because of the possible safety hazard to children using the fountain. Curtis stated that he was opposed to the installation of the fountain because it might be used as the opening wedge for future demands to install toilets, picnic tables, etc. in the arboretum. Curtis stated that any attempt to provide facilities that would lead to use of the area as a public park would be contrary to the purposes of the arboretum.

Dickson moved that the fountain be installed in the parking lot, as far from the lawn around the Duck Pond as possible, and with the specific statement that the installation of the fountain does not imply any relaxation of the rules regarding use of the area for picnic or other park purposes. This motion was seconded by Hasler and passed.

Gallistel read a letter from Mr. Sanborn of the State Highway Commission with reference to construction of the second lane of the belt line, asking for any suggestions the Committee may have. Gallistel, Curtis, and Longenecker will meet with Mr. Sanborn to discuss our problems, and especially to discuss the possibility of construction an underpass to provide access to the Grady Tract from the Headquarters.

G. Cottam
Acting Secretary.

(9) 1956

Arboretum Committee Meeting

Present: Cottam, Curtis, Dickson, Foster, Gallistel, Greene, Hasler, Longenecker, McCabe, Place, Jacobson.

Gallistel reported on the Town of Madison-Town of Witchburg proposal for the extension of Badger Road through the Grady Tract along the town line.

Longenecker reported on the situation concerning the imminent new construction on the Beltline Highway. He stated that the highway department will erect an adequate set of guard rails at danger points to prevent cars from leaving the highway and possibly setting fire to the pine plantation in the Arboretum. They stated they would try to take care of the drainage problem so as to prevent any further damage to the Arboretum. They have declined to install an underpass for driving, but left open the possibility that one for walking might be put in. He discussed the impingement on additional Arboretum land for purposes of cut and fill.

Curtis made a request for Arboretum funds to be used to help purchase wooded land next to the new Observatory site at Pine Bluff. It was moved and seconded that a sum not to exceed \$100 be earmarked for this purpose.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

February 20, 1956.

Present: - Curtis, Gallistel, Greene, Hengeneker, Jacobson, Hasler.

Honey-bee project of Entomology Dept. - host City area
Exotic bees will disrupt natural relations - drive out wild bees, etc.
in Man.

Any bona-fide inv. proj. in contiguous areas would ^{interfere} ~~disrupt~~
with indigenous pop. - introduces another variable
Prod. genetic in nat. - can see no way in which arb. facilities are essential

Danger to humans from large bee pops - between two subdivisions

X Behavior experiments - portable units - ^{certain aspects} not objectionable - temporary
daylight studies - arb as an arb. site
(arb. sprays & large orchard east of old prairie - hold this)

Arboretum Technical Committee Meeting

March 14, 1956.

Present: - Curtis, Gallisteb, Greene, Hasler, McCabe.

Discussion of status of proposed underpass under the Beltline.

Safety to students - number of students - currently in need of development -

Procedures involved in pushing underpass under the two lanes.

Possibility of using new land desired for trading purposes

New heating plant for Lab - try W A R F

Nickson wants brochure to use in requests for Foundation Funds from various sources. Emphasis on needs of Arboretum - as to 1) Capital improvements, 2) Staff

Arboretum Committee Meeting

March 15, 1956.

Present:- Cottam, Curtis, Dickson, Engelbert, Foster, Gallistel, Greene, Hasler, Longenecker, McCabe, Place, Jacobson.

Curtis, as Arboretum Research Coordinator, presented the details of a proposed project of the Department of Entomology, which would deal primarily with honey-bee breeding studies, and for which land in the Lost City area, with permission to erect permanent facilities thereon, was requested. He then presented for full Committee consideration a letter drawn up by the Technical Committee in which reasons were given why the Arboretum seemed scarcely the proper place for the project as proposed.

After considerable discussion Longenecker moved that the Committee meet with Prof. Muckenhirn, Assistant Director of the Experiment Station and others interested, including Profs. Farr, Allen, Dicke and Medler of Entomology and Emlen and Neess of Zoology, before coming to any final decision. Seconded and passed.

Gallistel brought of the possible advisability of selling or trading a small strip of land near the northeast corner of the Grady Tract, so as to give access to land recently subdivided by Dr. L. C. Morgan. Curtis moved that we not trade any land, but that, if absolutely necessary, we recommend to the Regents, a 33 ft. strip adjoining the property of Messrs. Morgan and Anderson be sold outright. Seconded and passed.

It was agreed that, in view of the difficulty of getting everyone on the Committee together for noon meetings, we hold a couple of night meetings yearly, times to be decided on later.

The question of paying for fire protection for the Arboretum was discussed but no definite plans or decision reached at this meeting.

Cottam reported on the plans of the Publicity (Public Relations) Committee which he heads. Discussed were problems of getting the right kind of newspaper publicity, TV publicity, lectures and radio talks. It was pointed out that much could be accomplished by means of properly guided tours of the area.

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

April 9, 1956

Present:- Curtis, Gallistel, Hasler, Longenecker, McCabe, Jacobson.

It was agreed that a complete scrapbook of items pertaining to the Arboretum should be maintained, and Greene was requested to collate items in possession of Longenecker, McCabe, and Curtis.

Hole requested changes in procedure in handling some of his research on the Arboretum. These changes were approved.

Curtis is to prepare a scenario for the Arboretum prairie movie.

Jacobson is to prepare plans and make ready for burning the central part of the Arboretum prairie on Tuesday, April 17th, or later if conditions are not favorable.

Gallistel reported that the University Regents have requested an underpass under the Beltline from the Highway Commission.

The University Regents have dedicated a small piece in the Grady Tract to the Town of Madison Board for road purposes.

Gallistel is to get information about tract adjoining new Observatory site near Pine Bluff, - map, deed, etc.

A decision as to dates for evening meetings has been postponed until later.

A special Technical Committee meeting will be held on April 16, especially to draw up a list of needed capital improvements on the Arboretum.

J. T. Curtis, Acting Secretary.

Arboretum Technical Committee Meeting.

April 16, 1956

Present:- Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

This meeting was called primarily to settle on a list of capital improvements needed on the Arboretum now and in the near future. A primary need is of course for an adequate headquarters building and this, with other things, was discussed in some detail. It is hoped that funds from outside sources can be obtained to finance these capital improvements and a detailed list was made. Gallistel will draw up preliminary plans for the headquarters building.

There was considerable discussion about the Arboretum land which lies along Monroe Street and east of the Council Ring. It was the consensus of opinion that as matters stand it is more of a liability than anything else, necessitating a great deal of labor for mowing and offering no return to us. It is felt that if it is possible for us to dispose of this advantageously it would be highly desirable to do so.

McCabe requested permission to cut four red pines in the Grady pine area, in connection with an experiment he set up in 1944 and enlarged in 1950 which had to do with cutting away one of the tips on double tipped trees. These trees have grown satisfactorily since and McCabe wishes to study the tissues involved. He has found a total of 62 trees from the original experiment. It was agreed that it would be all right to cut the four trees, as requested.

Gallistel reported on correspondence with Mr. Lord of the Metropolitan Sewage District in connection with repair of the damage done while installing a sewer in the Monroe Street area. It was agreed that, from the Arboretum point of view, it would be best if funds for this purpose could be placed in the Arboretum gift fund, and Gallistel will try to arrange for this.

H. C. Greene, Secretary.

Arboretum Committee Meeting

Held at Arboretum, April 19, 1956.

Present:- Cottam, Curtis, Dickson, Engelbert, Gallistel, Greene, Hasler, Longenecker, McCabe, Place, Schorger, Jacobson.

Guests present:- R. J. Muckenhirn, Asst. Director, Ag. Exp. Sta., - F. C. Allen, C. L. Farrar, J. T. Medler, all of Dept. of Entomology.
Mr. Sanborn of the Wisconsin Highway Dept.

Prof. Farrar of the Dept. of Entomology discussed at some length the proposal of the Dept. of Entomology to center bee breeding studies of his department on land in the "Lost City" area of the Arboretum. He outlined the nature of the work, possible ecological lines of study in connection with it, and the installations which would be necessary. At the close of his discussion he invited questions from committee members, a number of which were asked. No final action on the request was taken at this meeting.

Mr. Sanborn, of the Wisconsin Highway Dept., outlined the proposal of his department to give the Arboretum access on grade to the new two-lane Beltline Highway, at a point opposite the easternmost portion of the Grady Tract (the former Haan property). Members of the committee accompanied Mr. Sanborn to this point and it was agreed that while such access would in itself be desirable, it would in no way solve our problem of safe traffic by Arboretum personnel and students between the Grady Tract and the other part of the Arboretum, as would an underpass. Gallistel requested Mr. Sanborn to in turn request of his superior, Mr. Jones, that the latter arrange a meeting between representatives of the Arboretum Committee and the Highway Commission for further discussion of our needs.

H. C. Greene, Secretary.

Arboretum Committee Meeting

April 26, 1956

Present: Cottam, Curtis, Dickson, Engelbert, Foster, Gallistel, Greene, Hasler, Longenecker, McCabe, Schorger.

This was a special meeting called primarily to act on the request of Prof. C. L. Farrar of the Dept. of Entomology for the establishment of a honey-bee breeding center in the Lost City area of the Arboretum.

After considerable discussion, Foster moved that we go on record as accepting Prof. Farrar's project as proposed, as being consistent with Arboretum objectives, as those objectives are outlined in the Arboretum Manual. Hasler seconded. The motion was rejected. Dickson and Engelbert abstained from voting. All others, including Foster, voted against the motion.

Cottam presented the report of the Arboretum Publicity Committee, of which he is chairman. Copies of the report were distributed to the membership. It was agreed that one of the most pressing publicity needs as of the moment is the preparation of an accurate and attractive brochure. Cottam will draw up an outline for this as soon as possible and call on committee members for necessary assistance.

Gallistel informed committee members that the Highway Commission will meet with us on Thursday, May 3, at 11:00 A.M. for the purpose of a hearing on our request for an underpass under the Beltline Highway in connection with the new construction on that road. Gallistel asked that all members who possibly can be present at this hearing.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

May 7, 1956.

Present: Curtis, Gallistel, Greene, Hasler, Longenecker.

Curtis discussed the Arboretum maps which we now have, and those proposed, especially for the planned brochure. A check was made to be certain that we have enough of the current maps to take care of the spring requirements. It was felt that a simpler map showing the new path system is quite urgently needed.

Curtis proposed an arbor-vitae planting in an open area to the northeast of the new dam below the Teal Pond, and also a black spruce planting in the tamaracks near the Wingra Springs. He pointed out that this would in effect give us a long, continuous belt of conifers around the older portion of the Arboretum and that this might well be beneficial to birds and mammals. It was agreed that such plantings will be made.

The question of help by committee members on conducted tours through the Arboretum this spring was discussed, but no definite plans made. Mention was also made of the desirability of more activity on the part of subcommittee chairmen.

✓ In discussing the summer work schedule, Curtis suggested that a list be made of things which need doing in various areas of the Arboretum, as a guide for the superintendent.

It was agreed that the June 4 meeting of the Technical Committee will be held on the newly acquired Barton Tract near Pine Bluff. Curtis pointed out various things which need to be done there including blocking off the entrance to auto traffic with a heavy cable. Gallistel is to check to make certain the area is as of now fully under control of the Arboretum Committee.

H. C. Greene, Secretary.

1956

Report of the Publicity Committee

The Objectives of this committee are:

1. To gather, compile, and disseminate information about the Arboretum which will promote understanding and good will toward the Arboretum and its functions.
2. To create and maintain good public relations between the Arboretum and the people of the state, especially the members of the University community.

Procedures.

1. Lectures. There is a constant demand for lectures about the Arboretum, and the number which could be given is probably limited by the willingness of the members of the Arboretum Committee to participate in such activities. This committee wishes to encourage participation in this phase of publicising the Arboretum and its activities.
2. Newspaper publicity. This can be of two main types: feature articles and news of special events.

Feature Articles: The publicity committee would like to prepare a list of subjects capable of being treated as feature articles and to make plans for an orderly release of these articles to the press. Possible subjects include: discussions of the plant and animal communities, horticultural plantings, glacial geology, fossil pollen, microclimates, rabbit and crow damage, and many others.

Special Events: The lilac display is the prime example of this sort of thing, but there are many other events which would also be of great public interest if the public knew about them. These include: the spring flowers in Camp and Wingra woods, lupines and other spring flowers in the Grady Prairie, Warbler migration, etc. The publicity committee plans to release news of these events, together with pertinent background information, to the press.

3. Movies. A series of movies depicting some phase of Arboretum activities should be prepared for release to interested groups and to television stations throughout the state.
4. Radio and television. All of the events described under newspaper publicity could be used on either radio and television.
5. Tours. Guided tours for interested groups could do much to create good will toward the arboretum. A major obstacle here is the necessity for

adequate manpower and the time required to plan and conduct a good tour. As a small beginning, it is proposed that three tours for invited groups be conducted this spring. Suggested groups are the Audubon Club, the Madison Garden clubs, and perhaps the residence halls of the Hoofers.

6. Informational Brochure

This seems to be a major need. Such a brochure could be used to:

1. Present a brief history of the Arboretum.
2. Outline its main objectives.
3. Present major research and developmental programs.
4. Outline with the aid of maps the location of the various recreational facilities.
5. Project a long-range program in terms of what is needed to improve the Arboretum.

It is apparent that none of these proposed functions can be accomplished without the assistance of the entire Arboretum Committee. The publicity committee will do its best to organize material and get it presented to the public, but the initial preparation of the material, and assistance with tours and lectures must be the responsibility of the entire Arboretum Committee. Specifically, the publicity committee would like the following from members of the arboretum committee.

1. Suggestions for subjects of feature articles and information on where the necessary material may be obtained.
2. Volunteers for assistance with tours.

Arboretum Committee Meeting
(held at Arboretum)

May 17, 1956.

Present:- Cottam, Curtis, Dickson, Gallistel, Greene, Longenecker, McCabe, Place, Jacobson.

Gallistel brought up the matter of a meeting scheduled for May 29th concerning a right-of-way for Herrling.

Gallistel stated that on June 3 the Baraboo Hiking Club expects to spend an entire day in the Arboretum. He suggested that he might be able to arrange for a guide if someone on the committee would first show the man around and instruct him in the principal points of interest.

Gallistel announced that the Arboretum Committee now has effective control of the property adjoining the Pine Bluff Observatory, so that we can now take suitable measures for safeguarding the property.

The damage resulting from breakage of leaders in our pine plantations because of extensive roosting of large numbers of crows in them was discussed at length. Place stated that in an area of 13-14 acres in the Leopold Pines there is 70-90% of leader damage in the red pines, and almost 100% in white pines. Various methods of getting rid of the crows were discussed, including shotting, dynamiting, use of tape recordings, and liming.

Place thinks that rabbits are encouraged in the Grady Tract, as a result of cover afforded them by the low branches of pines in a certain state of growth. He suggested that it would be perhaps a good idea to trim up the bottom whorl or two of branches in all these trees.

The next meeting of the full committee will be held at the Council Ring, adjacent to the parking area on Monroe Street to check on maintenance problems.

H. C. Greene, Secretary.

10/30/50

MINUTES

Arboretum Committee Meeting
Thursday, Sept. 27, 1956

(In the absence of Mr. Greene, A. F. Gallistel prepared the following minutes.)

Discussion of the proposal that Town of Madison be permitted to rent a portion of the Jensenbrenner Tract was discussed at length. A motion to rent a portion of the area (approximately 200' x 200') near the Beltline was approved unanimously.

James Larsen of the University News Service presented samples of covers and general set-up of proposed brochure, stating that about \$500 would be required for 3000 copies. He will provide further information.

Professor Cottam requested that permission be granted to burn a portion of the Grady Tract which was overgrown with blackberry bushes, etc. Approved.

There was informal discussion of the lake fill for parking.

Meeting adjourned.

A. F. Gallistel, Chairman

Arboretum Committee Meeting

October 18, 1956

Present: Cottam, Foster, Gallistel, Greene, McCabe, Place, Schorger, Wilds, J. A. Larsen (Science Editor, U.W. News Service), Jackson, Jacobson.

Larsen discussed the preparation of the proposed Arboretum Brochure in some detail. It was agreed that a 4-color cover would be desirable and that the text should run to about 16 pages, with an indeterminate number of photographs. It appears that the cost for the desired number of copies will probably run \$500-600.

Dr. Morgan whose property adjoins the Grady tract has again brought up a proposal for a town line road through the Grady tract to the Fitchburg Road to provide access to his plot, which he cannot obtain on the Beltline Highway. It is the feeling of the Committee that this proposal is entirely without merit and we will positively not go along with it.

The Arboretum Committee feels as a matter of basic policy that it should take a firm stand against the establishment of any more public roads on the Arboretum and Foster has agreed to draw up a formal resolution to this effect.

In regard to the request of the Town of Madison for a site on the Arboretum for the Town Hall and Fire Station, it is to be suggested to them that they seek to purchase the Harrling property, in exchange for which we would deed to them a suitable piece of the Sensenbrenner piece, adjacent to the intersection of the Beltline Highway and the C. & N. W. R. R. Dickson is to be requested to approach the town officials on this matter.

The matter of fire hazard during this extremely dry fall was discussed and on the motion of Foster, Jacobson was granted full discretion in matter of fire control. Larsen agreed to get out a press release warning the public of the fire danger in the Arboretum.

H. C. Greene, Secretary

Arboretum Committee Meeting

November 14, 1956

Present:- Cottam, Dickson, Engelbert, Foster, Gallistel, Greene, Hasler, Longenecker, Place, Wilde, Jacobson, Prof. R.J. Dicke (Entomology)

Prof. Dicke gave a comprehensive report on mosquitos in the Arboretum as related to migrating nuisance species. He pointed out that while there are probably 25 species breeding on the Arboretum only one or two of these are a problem, in the public relations sense. These are forms which breed in shallow, temporary ponds, resulting primarily from poor drainage following heavy rains. He produced a map which indicated that there are two principal areas on the Arboretum in which the pest forms breed - the most important is in the East Marsh area along the Fish Hatchery Road, and next to this is a rather limited area near the Teal Pond. Besides these some of the shallow pools along the road next to Lake Wingra may at times be of importance. Prof. Dicke considers that best control is obtained by surface spraying of breeding spots with kerosene or diesel oil. If this is done properly there will be little damage to other forms of life, according to him.

Longenecker gave a brief report on some explosive devices aimed at control of crows, including shotgun shells which explode like firecrackers, and fixed, electrically operated automatic exploders. It was agreed that these should be looked into further, with special reference to possible fire hazards attendant upon their operation.

Dickson reported that the Town of Madison has acquired a site for their new Town Hall on the Fish Hatchery Road. (see minutes of October, 1956 meeting)

H. C. Greene, Secretary

ARBORETUM COMMITTEE MEETING

Present: Cottam, Dickson, Greene, Hasler, Longenecker, McCabe, Place,
Wilde, Jacobson.

Jan. 17, 1957

McCabe is to direct a letter to the Conservation Dept. requesting that the Arboretum be classed as a game refuge rather than as a closed area so that animal populations can be controlled.

In order to protect Picnic Point from poaching of waterfowl it is suggested that:

- a) the water edge be posted 25 feet off shore
- b) vegetation overhanging the shore be eliminated to destroy places of concealment for hunters. McCabe will write a letter to the Conservation Dept. requesting that a) be put in effect.

Cottam reported on the 1956-57 seed exchange now ready and distributed sample mimeographed copies of our list.

Cottam pointed out that this year marks the 25th anniversary of the Arboretum. He moved and it was seconded and approved that Gallistel be requested to appoint a committee to arrange for some sort of commemoration of this event.

Place asked whether, in line with his earlier suggestion, lower limbs of the Grady Tract pines had been pruned to eliminate rabbit cover and minimize damage. No action on this so far, according to Jacobson.

Longenecker displayed a map, prepared for the projected Arboretum brochure, designed to clearly show the Arboretum trail system. It was suggested the various trails be named, and Dickson moved that a committee be named by Gallistel to work out names for the trails. Seconded and approved.

Dickson pointed out that land owned by Silver Springs Bottling Co., adjacent to WEA towers, is for sale, and suggested that the Arboretum might wish to acquire it.

H. C. Greene,
Secretary

ARBORETUM COMMITTEE MEETING

February 14, 1957

Present: Cottam, Englebert, Foster, Callistel, Greene, Longenecker,
Wilde, J. A. Larsen (Univ. News Service).

This was a special meeting called to discuss aspects of the publication and financing of the Arboretum Brochure. No formal action was taken, but a general area of agreement was reached on the matter of costs, number of copies desired and layout. Larsen will go ahead and implement the ideas approved at the meeting.

It was decided not to hold the usual committee meeting February 21st, since there appeared to be no further urgent business at this time.

H. C. Greene, Secretary

Arboretum Committee Meeting

March 21, 1957

Present:- Cottam, Dickson, Foster, Gallistel, Greene, Hasler, Longenecker, McCabe, Place, Wilde, Jacobson.

Cottam reported on the current year's seed exchange. There were a total of 66 responses to 150 mailings of the lists of seeds available. A total of 577 packets of seeds have been sent out.

Longenecker stated that the Wisconsin Highway Dept. is interested in establishing a roadside demonstration prairie on a piece of land in Sauk Co., near the Badger Ordinance Works, and has requested the advice and cooperation of the Arboretum Committee.

Greene brought up the matter of the desirability of burning the Faville Prairie this spring. No definite action was taken.

McCabe discussed the procedure requisite to bring about the status of the Arboretum from closed area to game refuge. Due to technical difficulties in the matter of land description this has not yet been brought about.

Gallistel had earlier appointed Foster, Cottam and Wilde as a sub-committee to lay plans for the celebration of the 25th Anniversary of the Arboretum, said to be this year. Foster gave a report as to various ideas his committee had had, but after considerable discussion it was finally decided not to hold the celebration in the Arboretum, but to make it an indoor evening affair on campus. This was moved by Place, seconded and passed.

The Biochemistry Auditorium and the Union Play Circle were suggested as places for the assembly. Foster moved that we try for a date as close to May 15th as possible and that we try to obtain the Union Play Circle. It does not appear that a formal vote was taken on this.

Longenecker requested Prof. Wilde to arrange an exhibit if possible for the Anniversary Celebration.

H. C. Greene, Secretary

ARBORETUM COMMITTEE SPECIAL MEETING

April 1, 1957

Present:- Representing the Madison Gas & Electric Co. - Mr. Theron A. Brown, General Superintendent, Mr. Sargent and Mr. Mackie. Representing the Arboretum Committee - Cottam, Anlen, Foster, Gallistel, Greene, Longenecker, McCabe, Place, Schorger.

This meeting was called to consider the request of the Madison Gas & Electric Co. for permission to run a subterranean 12" natural gas pipe line east and west through the Grady Tract approximately along the Town of Madison-Town of Fitchburg Line. Mr. Brown presented the case for the utility and answered questions of the Committee members. Later the Committee adopted the following resolution:

RESOLVED, that the Arboretum Committee approve the request of the Madison Gas & Electric Co. to install a 12" pipe line across the Grady Tract of the Arboretum (as shown on map submitted by the Madison Gas & Electric Co.). This approval is subject to the condition that any member of the Arboretum Committee may, prior to Thursday, April 4, 1957, request the Chairman to reconvene the Committee to reconsider the vote of approval. The vote approving installation of the pipe line is made in consideration among others of the following factors:

1. That the exact location of the line is subject to determination through consultation with the Arboretum Committee and the Gas Co.;
2. That the installation and maintenance of the line will cause minimal interference with the terrain through which the line will pass;
3. The disturbance to the soil profile will not be of serious consequence, that restoration of the surface conditions will occur after the line has been installed, and any damage resulting from maintenance operations will be repaired.
4. That approval of the gas line on this site neither implies approval of similar projects elsewhere on the Arboretum, nor does it imply approval of other projects on the same site.

H. C. Greene,
Secretary

ARBORETUM COMMITTEE MEETING
(held at Arboretum)

April 18, 1957

Present:- Cottam, Dickson, Foster, Gallistel, Greene, Longenecker, McCake,
Place, Schorger, Wilds, Jacobson.

Cottam presented for approval by the full committee a request from Bob Ellarson for relocation of some of the birdhouses used in his bluebird-tree swallow study. This is desirable for several reasons, including molestation in some of the present locations along fences and had already been approved by the Technical Committee. Approved.

Dickson inquired as to whether any action had as yet been taken by the Committee on purchase of about 2 1/2 acres of the Silver Springs Bottling Co. land adjacent to our property (the WHA Radio towers are on this piece). Gallistel stated that no action had been taken.

Foster reported that plans for a 25th Anniversary celebration have been deferred until next fall.

By vote of the Committee it was decided to dedicate the forthcoming Arboretum Brochure to Mr. J. W. Jackson in recognition of his many services to the Arboretum.

H. C. Greene, Secretary

Arboretum Committee Meeting (held at Arboretum)

August 15, 1957

Present:- Cottam, Foster, Gallistel, Greene, Hasler, Longenecker, Wilde, Jackson, Mr. Rupnow (representing Madison City Plan Dept.)

Mr. Rupnow undertook to explain the interest of the City of Madison in annexing certain (but not all) lands of the Arboretum. After a rather lengthy discussion, Gallistel suggested that a formal proposal in writing be prepared for our study, which Mr. Rupnow agreed to do. It was the feeling of the Committee that these proposals be treated with great reserve, since it seemed to us that no benefits would accrue, and that furthermore there might be positive disadvantages.

On the initiative of Hasler the Arboretum Committee goes on record in the matter of spray killing of willows on Willow Drive along University Bay, as follows:-

"The University Arboretum Committee has surveyed the damage to the vegetation on University Bay Drive, caused by the recent unfortunate use of a plant poison on adjacent farm lands. This area is a natural preserve and research study region. We urge that this carelessness, caused by the misuse of a poison, should be dealt with vigorously and measures taken to prevent any recurrence."

H. C. Greene, Secretary.

Arboretum Committee Meeting

September 19, 1957

Present:- Cottam, Curtis, Dickson, Emlen, Engelbert, Gallistel, Greene, Longenecker
Trenk, Wilde, Jacobson.

Longenecker stated that there is a serious rabbit problem impending in the oak plantings in the southwest portion of the Grady Tract and proposed large-scale trapping as a possible solution. There was a question as to whether or not this might interfere with other projects being carried on in this area, so Gallistel appointed a subcommittee, composed of Longenecker, chairman, McCabe and Curtis, to make recommendations.

Longenecker stated that he would like to see more attention paid to marking wildflower trails and other means of making vegetational information available to the general public.

Greene obtained committee approval for the use of some shrub nursery stock for screen planting purposes along the southeast property line of the Grady Tract where the adjoining land is now being subdivided for residential purposes.

Curtis stated that Prof. Whitford of the Astronomy Dept. had called him for advice as to handling of the land immediately around the new Observatory, particularly as to how to keep it open. In the course of a general discussion it was decided that the present road into the woods adjoining the observatory should be in part abandoned and a new entrance developed over the higher ground from the observatory site.

Gallistel suggested that the committee authorize him to pick the site for the tower which the Astronomy Dept. will erect in the woods. This was agreed to.

Dickson stated that he was engaged in preparing the letter to be sent out to certain people along with the brochure and would submit it to committee members in advance.

The November meeting of the committee will be held in Rm. 3308 in the new section of Birge Hall.

H. C. Greene, Secretary.

ARBORETUM COMMITTEE MEETING
(held at Arboretum)

October 17, 1957.

Present:- Cottam, Curtis, Dickson, Gallistel, Greene, Longenecker, McCabe, Schorger, Frenk, Wilde.

Longenecker stated that he is in touch with a possible donor to the Arboretum, and asked for suggestions as to appropriate uses for a sizeable sum at this time. It appeared, after some discussion, that propagating facilities are an urgent need which would probably fit well with the desires of the potential giver, and Curtis is to call a Technical Committee Meeting to outline a concrete proposal.

Jacobson reported on a recent collecting trip made by him and Ed Cawley, Arboretum Botanist, to north-central Wisconsin. Curtis suggested that in another year it might be possible to get a large University truck for the purpose and avoid overloading the Arboretum truck, while at the same time getting a bigger load.

Curtis suggested that it might be possible, in early spring, to obtain state prison labor for spring planting on the Arboretum. Such labor is used extensively in central and northern Wisconsin and presumably might be used at Madison before the season opened in the more northerly locations. Gallistel agreed to look into this and report on it.

E. C. Greene, Secretary

Arboretum Committee Meeting

November 21, 1957.

Present:- Curtis, Cottam, Dickson, Foster, Gallistel, Greene, Hasler,
McCabe, Schorger, Trenk, Wilde, Jacobson.

Curtis showed figures showing spread and population build-up of prairie plants on the old prairie between 1951 and 1956. These were based on quadrat surveys made by Arboretum Botanists Dave Archbold and El Cawley.

Curtis inquired about projected plantings of ground cover species in an area cleared for the purpose near the Headquarters. He stated that in his opinion it would require more labor than we can afford. Gallistel suggested that the Technical Committee investigate the matter of the equitable and proper use of Arboretum labor for the future.

Greene discussed the matter of continuation of the Arboretum News, stating that he felt it necessary that in the future there be more contributions of articles from Committee members and others if the publication is to be maintained on the present quarterly basis. This question was also referred to the Technical Committee.

Curtis pointed out that it appears likely there may be more funds (Federal) forthcoming for basic research and suggested that the Arboretum be ready to take proper advantage of such a situation, particularly in the matter of a suitable laboratory building.

H. C. Greene, Secretary.

Arboretum Technical Committee Meeting

December 6, 1957.

Present:- Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson.

Curtis raised the question of proposed ground cover plots at the headquarters in relation to proper allocation of available labor. After considerable discussion Gallistel suggested that Jacobson tabulate the labor allocation over a period of years. Longenecker agreed to work on labor budget categories for presentation at the next Technical Committee meeting.

In connection with the matter of obtaining copy material for the Arboretum News, as requested by Greene in the previous Arboretum Committee meeting (Nov. 21, 1957), Curtis suggested that those in charge of any Arboretum research project in being for five years or more be requested to submit a fairly detailed report of the current status of the project. Then, certain reports which appeared to offer most promise will be chosen for further amplification by the project leader for inclusion in the Arboretum News. This was agreed to.

Curtis, following the lead of McCabe, suggested that Longenecker draw up a plan for shrubbery plantings about Headquarters to replace the Tartarian honeysuckle, which has been removed, as a sanctuary for song birds which have now virtually disappeared from the area.

Facing up to the fact that we probably will not be in a position to marked expand our Arboretum labor force the Technical Committee earnestly recommends that we supplement our current force with suitable power equipment insofar as practicable. Needed at this time are 1) power sprayer, 2) power chipper for cutting up branches in the course of brush removal, 3) heavy brush cutter for removal of large shrubs in marsh areas, 4) hay chopper for mulch preparation, and 5) reciprocal portable power saw.

Jacobson stated that he needs a propagating bed in peat soil and suggested two spots in the East Marsh area that would be suitable.

C Curtis brought up the matter of sealing the basin behind the dam in the Camp Woods. Because of the presence of a bed of gravel close to the surface the water is now all running off, defeating the purpose of the dam. McCabe suggested the use of bentonite for sealing and there was considerable discussion about possible alternatives.

It was decided to pull the sagging roofs off the old shelters in both Camp and Wingro Woods preliminary to razing the structures in the near future. Jacobson was directed to proceed with the roof removal.

H. C. Greene, Secretary.

Arboretum Committee Meeting

December 19, 1958.

Present:- Cottam, Curtis, Engelbert, Foster, Gallistel, Greene, Hasler, Longenecker, McCabe, Trenk, Wilde, Jacobson.

Curtis gave an interim report on the Technical Committee meeting of Dec. 6, 1957, at which the labor situation in the Arboretum was discussed at length. It appears that it will require discussions over the next couple of months to prepare a report for submission with recommendations to the Arboretum Committee.

Gallistel reported that he had heard from Mr. Senger B. Powers of the Wisconsin State Welfare Dept. in response to our inquiry concerning possible availability of prison labor on the Arboretum at certain seasons. It appears that it may be feasible to obtain such help from labor transported from the Oregon State Farm near the village of Oregon in Dane Co. Gallistel will explore the matter further.

Jacobson reported on a small fire in the Arboretum adjacent to Winslow Lane. It was fortunately put out promptly and no great harm was done.

McCabe gave a report on the last ten years of the Wildlife Dept.'s rabbit study in the Arboretum.

Gallistel reported on receipt by the Arboretum of the handsome color series of four booklets entitled "Pasture and Range Plants" issued by the Phillips Petroleum Co. of Bartlesville, Okla. and available upon request.

Foster initiated a discussion of the possible role of the Arboretum as an intermediary in certain controversial problems of conservation. The view was expressed that the Arboretum Committee, or an impartial body of experts in various sciences which are basic to conservation, might properly arrange for discussions, conferences, or meetings among the various proponents and thereby further mutual understanding among them. It was proposed that the new headquarters building might be designed with this as one of its important functions.

H. C. Greene
Secretary

Arboretum Technical Committee Meeting

January 10, 1958.

Present:- Curtis, Gallistel, Greene, Hasler, McCabe, Jacobson

Gallistel stated that a forested property of 300 acres near Minocqua, Wis., owned by Dr. Finnerud, has been given to the University on a basis whereby the University acquires full ownership gradually over a period of nine years. It has been suggested that the Arboretum might be the proper supervisory agency. Curtis discussed nature and status of the tract and suggested that while the Arboretum might formally act in a supervisory capacity, it does not now appear that we have or will have the manpower which can be diverted to actual maintenance. He thought it might be possible for the Arboretum Botanist - paid by the Botany Dept.- to provide the actual managing effort. Gallistel stated that in any event the Arboretum budget should be expanded to take care of any additional expense involved, since we have nothing to spare for any new acquisition of this sort.

Gallistel requested Jacobson to set up a detailed schedule showing how and when we could use prison labor from the Oregon State Farm in the event it is made available to us. Gallistel pointed out that we would have to transport them to Madison and back daily.

Curtis discussed Longenecker's version of the labor budget, pointing out that it essentially matched his own, with the latter being more detailed as to categories. Hasler moved that the labor budget proposals as set up by Curtis be approved and forwarded to members of the general committee for consideration at the general Arboretum Committee Meeting of Jan. 16. Approval was given.

Hasler stated that several loads of cinders are required to repair dams of the lagoons in the East Marsh area. Gallistel said these can be supplied by the University Power Station.

E. C. Greene, Secretary

Hasler

ARBORETUM COMMITTEE MEETING

January 16, 1958

Present: Cottam, Curtis, Mickson, Engelbert, Foster, Gallistel, Greene, Longenecker, McCabe, Wilde, Wisby (for Hasler), and Jacobson.

Curtis distributed new Arboretum maps, and his printed discussion and outline of the proposed Arboretum Labor Budget.

In the course of discussion of the labor situation it was agreed, as a matter of policy, that in the future the so-called Ho-Nee-Um area, stretching along Monroe Street from Mallet's Drug Co. toward downtown Madison, shall be handled in such a way as to minimize maintenance operations. It was proposed that massed plantings of wood shrubs be installed to cut down on the lawn area and the necessity for constant mowing.

Curtis moved that the Labor Budget be approved as outline - Longenecker seconded - passed unanimously.

Wilde stated that he is interested in developing a system of marking our trails and will have time available for this in the near future. It was agreed that this would be desirable and the general sentiment seemed to be that the best sort of sign would be one which is reasonably attractive yet temporary and inexpensive, since past experience indicates that signs are always a target for vandals.

Gallistel presented photos and maps of the Finnerud Forest property, near Minocqua, Wis., which has been offered to the University on an accruing interest basis over a period of years. It has been suggested that the Arboretum Committee assume formal administrative responsibility for this property, also that such responsibility be vested in the Botany department. It was the feeling of Bot. Dept. members present that this department would probably not be desirous of nor equipped for such responsibility. Curtis suggested that, if the Arboretum takes responsibility, the Arboretum research project method be applied to the area, and that the area be budgeted separately from any other department of the University.

Engelbert moved and Curtis seconded that the Arboretum Committee indicate willingness to assume administrative responsibility for the Finnerud property, that we definitely favor the name of Finnerud Forest and not the Finnerud Arboretum, that the Arboretum Botanist be assigned the tasks of local supervisor of the area and assume such duties of inspector, and that in event we take responsibility for the area we request that the budget be set up separately. Passed.

E. C. Greene, Secretary

Arboretum Committee Meeting

February 20, 1958

Present: Cottam, Curtis, Dickson, Greene, Longenecker, McCabe, Trenk, Jacobson.

Curtis showed a graph illustrating acorn yields in the Camp Woods, 1949-1957, and their utilization by grackles.

Curtis distributed copies of a Vegetation Management Plan for the Camp Woods, compiled from project reports prepared for Botany 166, the Plant Conservation Course. This extensive report will serve as a basis for discussion by the Technical Committee for recommendations to the full Arboretum Committee.

Curtis presented a plan for heating plant for the Arboretum laboratory, following consultation with Gallistel. The new plan, reduced from previous estimates, calls for expenditure of somewhat less than \$5000.

Jacobson reported on the need for replacement of various Arboretum signs, including the Leopold Pines sign, the McCaffrey Drive sign, and the general Arboretum sign along the Beltline.

McCabe reported that a tree house has been erected near Ho-Nee-Um pond. To be removed. McCabe has tentative plans for a fencerow project which may possibly be set upon the Arboretum. This would call for a study of the game cover afforded by various types of fences.

Longenecker reported that the city has agreed to clean the end of the Stevens Pond where the storm sewer enters. Also, they have finally agreed to install curb and gutter along Arboretum property across from the Fallat Pharmacy on Monroe Street. He presented a sketch of the proposed Arboretum greenhouse.

Curtis presented the idea that the Arboretum may need expanded laboratory facilities in the not distant future in order to more fully serve the University and considerable discussion followed.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

March 14, 1958

Present: Curtis, Greene Hasler, Longenecker, McCabe, and Jacobson.

Curtis stated funds for heating plant for laboratory are in hand and the requisitions written. There was discussion of some minor modifications in the plan to allow for best use of space and the elimination of unnecessary features.

Curtis requested information as to the make-up of the present management of the Eagle Heights woods, but no one present had any certain knowledge. Curtis pointed out that the woods is one of the best in the Madison vicinity and should be preserved and protected.

There was considerable discussion as to the projected new laboratory building and facilities. It was agreed that the building should not be extremely large and should not offer facilities so complete as to discourage contact with the campus. It appears that \$25 a square foot is a realistic present price - thus, 20,000 sq. ft. could be obtained for approx. \$500,000. Curtis will approach the campus groups concerned with requests for plans as to their space requirements. It was agreed that these requirements should be held to a minimum at the start, with provision made for expansion when and if needed.

Curtis brought up the matter of the labor budget, due according to agreement by April 1st. He pointed out that we have about 10,000 man hours available throughout the year--7,500 in the growing season. The budget was broken down into four categories: General, Horticulture, Ecological, and Research. It appears that approx. half the budget is now expended on the general category, with the other half about equally divided between the horticultural and ecological, with only a negligible time devoted to research.

H. C. Greene, Secretary

Arboretum Committee Meeting

March 20, 1958

Present: Cottam, Curtis, Engalbert, Foster, Gallistel, Greene, Longenecker, McCabe, Wilde, and Jacobson.

Curtis reported on meeting of himself and Longenecker, representing the Arboretum, with the Nakoma Welfare League and city health officials, with reference to perennial mosquito problem in Nakoma and possible breeding places on the Arboretum which may contribute to the problem. Prof. Dicke of the Entomology Dept. stated that the Arboretum had two areas on which mosquitos of the type which annoy humans may breed, the area in the East Marsh along the Fitchburg Road, and the Teal Pond area. The former becomes a problem in seasons when the water level in the lower lakes rises, reversing the flow of water over our dam and flooding behind it. The only practical solution to this would seem to lie in keeping the channels between the lower lakes dredged out so as to insure proper drainage at all times of the whole basin. In the matter of the Teal Pond area, it is suggested that it may be possible for us to maintain the water level in the Teal Pond throughout the season and prevent the development of conditions favoring mosquito breeding. It seems possible that our well is of sufficient capacity to do this with pumping. Engalbert will look into this matter and report on it at the next meeting.

Gallistel showed the plans for the remodeling of the lab building to provide for year-round heating and other changes to bring it into accordance with code requirements. There was some discussion as to modification of the plans, along the lines of simplification with resultant lessened expense.

Gallistel stated that he had had a visit from the warden of the Waupun State Prison in reference to the use of prison labor on the Arboretum. It appears that it cannot be obtained in 1958, but will definitely be available to us in following years.

Curtis reported that the Highway Dept., the Conservation Dept., and other agencies have become interested in shrub plantings along highways at some points to cut down mowing maintenance and also to provide a safety cushion when cars leave the road and for other safety features, such as cutting down glare of opposing headlights on curves. He suggested that, provided funds could be obtained, the Arboretum might be interested in building up a collection of suitable strains of native shrubs which could be used to start suitable stock for such planting purposes. This would be entirely contingent upon adequate funds, however, since our present budget has no stretch to cover such a program.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

March 21, 1958

Present : Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, and Jacobson.

Discussion of the labor budget was resumed. Curtis outlined the categories in some detail. Jacobson will keep a monthly record for periodical assay as to how the distribution of hours is working out.

Curtis stated that Prof. Hole of Soils Dept. had requested that the Committee be sounded out as to its reaction to a proposed project of his to transport red clay from the Lake Winnebago area to sites in the Lost City area. This clay will, by reason of its color, be used as a tracer in certain studies he wishes to make. The Committee had no basic objection, and Curtis will therefore notify him to formally submit the project.

The Camp Woods Management Plan was discussed in detail, and the plant communities as mapped and a list of other detailed recommendations were approved.

In connection with proposed mosquito control by water level maintenance in Teal Pond area, Curtis suggested that water used could be the runoff from the fish ponds that Hasler plans to install in the Headquarters Area in the future.

McCabe presented a revised plan for the sink and drainboard needed by the Dept. of Forestry & Wildlife Management in the present laboratory. This was approved.

The next meeting of the Technical Committee will be held during the University Spring Recess, at 10:00 a.m., Friday, April 11.

H. C. Greene, Secretary

Arboretum Committee Meeting

May 15, 1958

Present: Cottam, Curtis, Dickson, Gallistel, Greene, Hasler, Longenecker,
McCabe, Jacobson.

This meeting was held at the University of Wisconsin Eagle Heights property, for the purpose of inspecting the very fine piece of native woods on the property, and to examine, tentatively means by which this area may possibly be preserved in its natural state.

The members of the Committee walked over the property, but no definite action was taken for the time being.

H. C. Greene, Secretary

September 22, 1958

Arboretum Committee Meeting
Thursday, September 18, 1958

Present: Cottam, Curtis, Dickson, Foster, Gallistel, Hasler,
Longenecker, McCabe, Trenk, Wilde, Jacobson

Jack Steele and Glen Koehler of WBA met with the Arboretum Committee and discussed the possibility of erecting a radio tower in the Arboretum Prairie. They said it would need about a ten acre area, a road in, and a site for the building. Gallistel appointed a committee composed of Curtis, Chairman, Hasler and McCabe to formulate a reply. Mr. Koehler asked that the reply go to A. W. Peterson, with a copy being sent to Jack Steele and himself.

Curtis raised the question of having a change in the meeting dates, because of conflicts on Thursday noon. It was left that meetings would be held on the third Thursday, with every other meeting being held in the evening.

Gallistel said that there was 30,000 yards of good top soil available on the Hill Farm area. Jacobson was to contact Delmar Anderson as to location and possibility of getting a large truck to transport some for stockpiling at the Arboretum.

The bringing up to date of our pumping facilities was discussed. Gallistel pointed out the necessity of water in case of a power breakdown in time of fire. Jacobson was to get more information as to cost of bringing in three-phase power and getting adequate pumping power equipment. He was also to check on a surplus generator.

Misinterpretation of signs was mentioned. There was some question in regard to just what our present rules and regulations were. It was left that Mr. Gallistel was going to send a copy of the present regulations to the committee, and that the discussion was to continue at the next meeting.

G. Wm. Longenecker
Acting Secretary

Hasler

Arboretum Technical Committee Meeting

October 7, 1958

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe.

The problem of transporting classes and other groups to the Arboretum was discussed, as well as to other properties under supervision of the Arboretum, including Observatory Woods near Pine Bluff, Faville Prairie near Lake Mills, and the Finnerud Forest in northern Wisconsin. It would seem that our urgent need is for available university sponsored bus service, lacking since the University disposed of its fleet several years ago. It was felt that this matter could best be handled through cooperation with the University departments concerned. As a starter it was agreed that Curtis, Hasler, McCabe, and Longenecker would sound out their departments and report at the next meeting of the Technical Committee.

The matter of unwarrantedly restrictive signs and attitudes concerning public usage of the Arboretum was discussed at length. It was agreed that all signs bearing the word "Trespass" should come down immediately and Longenecker is to instruct Supt. Jacobson to attend to this. It was also agreed that the rules regulating use of University property, as they now stand, are technically so restrictive, as to prevent research use of the Arboretum, if such rules are strictly interpreted, and that it would seem advisable to seek modification of them, from the proper authorities, for the purposes of the Arboretum.

Longenecker, Gallistel and Cottam were named to a Committee on Signs for the Arboretum. They will review our present set-up, with a view to desirable simplification and other changes. It was suggested that it would be desirable to have large, wooden, more or less indestructible signs at the various parking areas, indicating the trail system, with special reference to the parking area in question, and the Committee unanimously agreed on this.

McCabe suggested preparation of a seasonal phenological guide as to natural events occurring on the Arboretum. McCabe, Foster, and Wilde were named as a committee to carry this out.

H. C. Greene, Secretary

Arboretum Committee Meeting

October 23, 1958

Present: Cottam, Curtis, Dickson, Emlen, Foster, Gallistel, Greene, Jacobson.
Guests: Mr. Beal, State Forester, and Mr. Koenig, Supt. of Parks and Forests.

Mr. Beal and Mr. Koenig represented the Conservation Department for the purpose of discussing and arranging for coordination and cooperation, in the management of the recently acquired Finnerud Forest, between the University of Wisconsin and the State Conservation Department.

Curtis pointed out that it is planned to use the Finnerud Forest primarily for research purposes and that therefore the less public use of and pressure on the tract the better. It had been planned to designate the Finnerud Forest as an official Scientific Area at a time somewhat in the future, but Mr. Koenig advised action in the immediate future to this end. It is his view that the sooner this is done, and suitable signs installed, the less our public relations problems will be, since his division will then be able to assume supervision at once, avoiding an interim period of no particular status for the property. It was agreed that designation as a Scientific Area will be sought at the next meeting of the State Board for Preservation of Scientific Areas which will probably be within a month.

Emlen stated that he believed he could arrange for a member of the Zoology Dept. to undertake a bird and mammal survey of the Finnerud Forest in the summer of 1959, and Curtis stated that within two or three years the Ecology group of the Botany Dept. will be undertaking an exhaustive study of the area as part of a more general study of the northern Wisconsin vegetation types.

Gallistel displayed large aerial photos of the Arboretum made last April before trees were in leaf and which show up our trail system to good advantage.

Parking problems on the Arboretum were discussed at some length. It was suggested that small, strategically placed, limited time parking areas are needed, since people frequently see something along the road they would like to investigate, but are unable to do so with our present widely spaced lots and stringent rules against roadside parking. Further study will be devoted to the entire parking question.

A mimeographed list, with line drawings, of all types of signs currently on the Arboretum, has been prepared by Supt. Jacobson and was distributed at this meeting for study by Committee members with a view to obtaining their suggestions. The Technical Committee will review the sign problem and submit definite recommendations in the near future.

H. C. Greene, Secretary

ARBORETUM TECHNICAL COMMITTEE MEETING

October 28, 1958

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

Curtis submitted a request for use of Arboretum facilities for a research project to study the ecology of the Genus Antennaria in Wisconsin. Included will be several permanent quadrats in the Grady Tract where the Madison Gas & Electric Co. pipeline was put through. Other clones of Antennaria will be permanently marked and numbered. It will be necessary to collect plants and seeds, but any collections in the prairie area will be cleared with Greene or Curtis. The project is under the supervision of Prof. Grant Cottam, and the field work will be carried out by Edward Beals as part of his PhD thesis. Approved.

Curtis submitted a proposal that the Botany Dept. set up a compost pile in cooperation with the Arboretum on Arboretum land. It was suggested that Picnic Point area, also under Arboretum control, would be more desirable for this purpose, especially from the standpoint of accessibility. Gallistel stated that he believed space could be arranged for there.

Curtis submitted a detailed 15-page plan in the nature of an expansion and partial revision of the Arboretum Master Plan as regards the plant communities. Included was a numbered map of the entire Arboretum showing position of the communities. The plan was approved through item 28 on page 4. It was felt that succeeding proposals regarding exotic communities should have further study.

There was considerable discussion regarding the future of the East Marsh area, and how it might best be handled, but no definite action was taken.

The next meeting of the Technical Committee was re-scheduled for November 25, at which time a review of the working of the labor budget will be undertaken.

H. C. Greene, Secretary

Arboretum Committee Meeting

November 20, 1958

Present: Cottam, Curtis, Dickson, Foster, Gallistel, Greene, Hasler, McCabe, Schorger, Jacobson.

Curtis pointed out that we have a deer problem now in the Arboretum, and moved that the proper officials of the Conservation Dept. be approached, by letter, with a view to control or elimination of the Arboretum "herd". The motion was approved. Gallistel will contact the conservation Department.

McCabe stated that the tamarack plantings at Teal Pond and in East Marsh are being encroached upon by willows and other woody shrubs and asked that release cuttings be made. This was approved.

Curtis stated that it appears possible that the old shelter in the Camp Woods might possibly be converted to a protective shelter for scientific instruments used in studies in the woods. Gallistel agreed to look into this possibility.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

November 25, 1958

Present: Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson.

Supt. Jacobson presented a detailed resumé of the Arboretum Labor Budget. which was examined closely. No significant changes were considered necessary in the assignment of categories. The actual will be compared with the budget at the next meeting.

In the laboratory building it was confirmed that a door is to be cut from the toilet room into the seed storage room, which can now be entered only through the Entomology Lab.

It was decided to move the Arboretum telephone from the residence into the laboratory building.

Fire lanes, from now on, will be closed to all auto traffic, except with permission from the Supt.

H. C. Greene, Secretary

Arboretum Technical Committee Meeting

January 13, 1959

Present: Curtis, Greene, Hasler, Longenecker, McCabe, Jacobson.

Curtis suggested that a strong effort be made in 1959 to acquire the remaining few lots in the "Lost City" area of the Arboretum, so that we may take advantage of the agreement with the Town of Madison for vacation of the roadways in the area, the existence of which currently prevents effective use of the area by the Arboretum. Curtis pointed out that this area may, in the not distant future, be pulled into the city, with which we have no real agreement. He further suggested that price should not be the primary consideration in the acquisition of the few lots remaining. Committee members present agreed with Curtis's view.

Curtis suggested that the Arboretum make a formal offer to assist, especially by contribution of planting stock, in the proposed improvement of Bascom Woods on the campus. Longenecker will attend to this matter.

Curtis stated that in the past he, as research coordinator, had sent out sheets to people with research projects in Arboretum, requesting information as to whether the project in question was still being actively carried on—with a rather poor response from those addressed. He now plans, as an alternative, to send out letters stating that the project will be considered as continuing, unless advice to the contrary is received. There will also be included a question as to whether any new projects are contemplated.

Curtis pointed out that we have passed the peak of our activity as concerns the seed exchange, at least for the time being, the reason being that while our material has been much in demand, we have been unable to benefit in corresponding degree from ~~from~~ the offerings made to us, because of our special requirements, so that it appears our efforts, due to our great labor deficit, had best be diverted to other projects. We are, however, continuing to receive many catalogs of seed offerings and Curtis brought up the question as to whether it might not be a good idea to circulate these to other departments and individuals in the University that might be interested.

✓ There was a lengthy discussion as to whether the Arboretum Committee in its present composition is as fully effective as it might be in achieving our aims and purposes. It was suggested that it might be better to have a larger committee with ~~with~~ wider University representation which would meet, say, quarterly and would deal principally with larger questions of policy, and that there also be instituted a smaller committee of a type similar to the present Technical Committee which would meet monthly or oftener if desirable for purpose of directing actual administration of the Arboretum. A number of names were suggested of individuals who might be suitable representatives on the larger committee.

H. C. Greene, Secretary

Arboretum Committee Meeting

February 19, 1959

Present: Cottan, Dickson, Foster, Gallistel, Greens, Lee, Longenecker, McCabe, Trenk, Jacobson.

The City of Madison has requested permission to erect a pumphouse in the Grady Tract, adjacent to the highway and 1000 feet north of the southwest corner of the Grady Tract. The Committee gave its approval, subject to the following limitations: 1) the area involved be no more than 20 x 35 feet, 2) that the Arboretum fence be relocated, so as to pass in the rear of the pumphouse, thus permitting direct entry from the highway to the building, and 3) that suitable screen plantings be made about the building so as to hide it from view on the Arboretum side. (This will, of course, have to be approved further by the University Regents.)

The Dutch elm disease problem was discussed, and it was more or less agreed that the best procedure for the Arboretum would be to eliminate its elms, very few of which, fortunately, are of any great size or value. Longenecker suggested that where sizable specimens were adjacent to residential areas where a spray program was being carried out anyway, we might go along with it, temporarily at least.

Jacobson stated that our deer problem is being copef with on an adequate basis.

Gallistel stated that the University Accounting Department had reported to him that certain funds, donated to the Arboretum, had not been used in what seemed to them a reasonable period, and they want to return the money to the donors. It was suggested that some of this money, at least, might be employed in purchasing some of the relatively few host City lots which we still need to round out our holdings. Gallistel will look into this.

✓ McCabe made a statement as to screen enclosures which Emley desires to install in the East Marsh areas, and required as to the possibility of using Arboretum labor for this purpose. It was suggested that the men be hired to do this on their own time, as such use of our labor crew during regular working hours is against our declared policy.

H. C. Greens, Secretary

MINUTES

Arboretum Committee Meeting
Observatory Hill Office Building

12:00 Noon March 19 1959

Members Attending - Cottam, Curtis, Dickson, Gallistel, *McCabe*
Hasler, Longenecker and Wilde.

Curtis presented a mammal project proposed by Emlen for the East Marsh. After discussion by the Committee it was moved by Longenecker that the project be approved, seconded by Gallistel and passed.

McCabe said that the rabbit population at the Arboretum was way down.

Six deer have been taken.

Longenecker reported that the Madison Garden Club had just given \$25 for the viburnum planting or for any other planting project.

Curtis reported that the Finnerud Forest had been approved as a scientific area.

Gallistel showed a map of the Lake Forest area with the lots not owned by the Arboretum.

Dickson brought up the possibility of getting funds to buy a buffer strip along the north edge of the Bryant property.

In the discussion that followed it was the feeling of the group that, if possible, the priority of purchase would be the lots first, the Herling property second, and the Bryant strip third.

Meeting adjourned.

Respectfully submitted

G. Wm. Longenecker
Acting Secretary

Arboretum Committee Meeting

(held at Arboretum)

April 16, 1959

Present: Cottam, Curtis, Dickson, Gallistel, Greene, Hasler, Lee, Longenecker, McCabe, Schorger, Wilde, Jacobson.

Jacobson reported new difficulties with Mr. Herrling on the matter of entrance to Herrling's property. He has threatened to cut our cable barring entrance to the Lost City area unless we remove same. It was pointed out that our cable is on what is still a public right-of-way and that we cannot legally maintain it there. Dickson stated that it is possible for a major property owner to obtain the vacation of such a street, after notification of other property owners thereon, and that we could probably do so if we wished. Other alternatives were suggested, such as vacation of the streets immediately adjacent to the Herrling piece, on which we own all the land and could presumably get vacated without difficulty. Curtis suggested that it would be sufficient to strengthen and maintain our south fence, as this would deny access also.

In connection with, and following the Herrling matter, there was considerable discussion as to the prospects of picking up the remaining Lost City lots. It was suggested that the Regents might be willing to raise the present \$100 limit to \$150, especially if it were pointed out the very considerable additional land we would obtain free as a result of finally vacating the acreage of roadway in the area.

Curtis brought up the matter of assignment of space in our newly remodeled laboratory building. After some questioning and discussion it appeared that, for the time being, at any rate, the present arrangements can be continued. Departments now using the lab are Botany, Zoology, Wildlife Management, Entomology, Soils and Horticulture.

Curtis brought up the matter of leakage of water from the pond adjacent to the dam in the Camp Woods. He moved that 500 pounds of Bentonite be purchased and applied in an effort to seal the bottom. Motion approved.

Curtis suggested that it would be desirable to have some general descriptive term to apply to outlying areas under our jurisdiction and management, such as Faville Prairie, Observatory Woods, and the Finnerud Forest. Ideas are requested.

Jacobson stated that the burning of the Old Prairie, adjacent to the Leopold Pines, is scheduled for next week.

There was some discussion, but no decisions, as to role and actions of the Arboretum in combatting Dutch Elm Disease.

H. C. Greene, Secretary.

Arboretum Committee Meeting

May 21, 1959

Present: Curtis, Dickson, Greene, Lee, Longenecker, McCabe, Wilde, Jacobson.

Curtis discussed the possibility of establishing large-scale, long-term projects on the Arboretum, with support of the Atomic Energy Commission. He has been a member of a committee evaluating biological research in this field, and thinks the Arboretum may have much to offer. Curtis moved and Longenecker seconded that a committee be appointed to study the matter and give recommendations not later than early summer. Approved.

Curtis stated that he had recently conducted a tour of Wakarusa School 6th graders through the Arboretum, and felt that it was an unfavorable reflection on our public relations program that none of these youngsters, living so close by, had any idea of what the Arboretum was all about. In his opinion, this is additional evidence of need for an educational program at the grade school level.

Wilde is now working on a new and legible trails map of the Arboretum. He stated that there were methods of producing such maps in color, not too expensively and suggested we ought to do this, which idea was approved.

Jacobson pointed out the deplorable condition of the road through the Arboretum and asked whether something could not be done soon about it. Longenecker agreed to do his best to make proper arrangements for fixing the road.

Longenecker stated that he had received \$50 from the West Side Garden Club of Madison, and \$25 from the Madison Garden Club for purchase of plants, of our choice.

Longenecker brought up the matter of the perennial dispute about right-of-way into the Herrling property and read a letter from the Attorney General. Curtis suggested that we offer to make a land trade (terms to be determined later) involving the triangular piece of land that we own adjacent to the railroad nearby and on which there are now some oil tanks. (Herrling has made an offer to sell his 7 acres to us for \$17,000, as an alternative to the right-of-way.)

Curtis asked Longenecker to look into the terms of the bequest of \$25,000 to the University for a horticultural collection of specimen plants. He feels that, since the Arboretum already has the land, it would be the logical agency to administer this bequest, since the sum of \$25,000 would not go far, if additional land had to be purchased.

H. C. Greene, Secretary

Arboretum Committee Meeting

July 23, 1959

Present: Cottam, Curtis, Gallistel, Greene, Longenecker, McCabe, Wilde, Jacobson.

Curtis stated that a petition had been received from residents of Arbor Drive along the Monroe Street portion of the Arboretum, requesting the Arboretum to clean up Ho-Nee-Um Pond which they claimed was the source of bad odors resulting from decay of algae in the pond. (Following the meeting the Committee members inspected the pond, which did have considerable algal growth, but in which the water was quite clear and from which there was no noticeable odor at the time of inspection which was on a cool and cloudy day). Curtis stated that he would attempt to get further details from signers of the petition, with a view to seeing what action, if any, we might be able to take.

There was further discussion of the perennial Herrling problem. It was decided that Vice-President Peterson will be requested to authorize appraisal of the triangular Arboretum-owned piece of land along the railroad near Herrling's property, for possible trading purposes with Herrling.

Wilde presented a tentative map, in color, of the Arboretum trails system. Certain minor corrections and alterations were suggested. The map is an attractive and professional job, for which the Committee is indebted to Prof. Wilde.

Curtis requested that the black locusts at the Fish Hatchery Road entrance to the Arboretum be eliminated to prevent damage to the fine bur oaks and hickories at that point. Jacobson will poison them out next fall and winter.

H. C. Greene, Secretary

Arboretum Committee Meeting

August 13, 1959

Present: Cottam, Curtis, Dickson, Greene, Lee, Longenecker, McCabe, Wilde.

Curtis stated that Ho-Nee-Um Pond has been determined to be not unsanitary or mosquito breeding, but that there is a marshy spot northeast of the pond, among the cedars, which is mosquito-breeding. We plan to dust or spray the marshy area this year and ultimately fill it in. It is planned to make screen plantings on the north side of Ho-Nee-Um so as to cut off the view from Arbor Drive. It seems that the growth of algae is inevitable, since storm sewers pour a continual supply of nutrients into the pond. Curtis suggested that we should try to get a greater stand of higher aquatic plants to compete with the algae.

Curtis discussed the status of the continuing Herrling property question. Various means of resolving the problem were discussed.

The Nakoma Country Club has again approached the Arboretum about purchasing certain Arboretum land along Iroquois Drive. It appears, however, that the terms of the deed preclude any such sale, and it was agreed that the Club should be so informed.

The matter of prevention of public access to roads in the Lost City was discussed, but no action was taken.

The custodian of Picnic Point has complained that certain segments of the public are misusing the area, particularly in the matter of bringing portable charcoal grills onto the property and dumping hot charcoal, following cooking, all over the place.

Curtis stated he had received a letter from Mr. Finnerud regarding the Finnerud Forest, in which he complained that the area has been overrun by people this year, and in which he suggested putting up No Trespass signs. It was felt Mr. Finnerud should use his discretion in this matter.

H. C. Greene, Secretary

Hasler

Arboretum Committee Meeting

September 29, 1959

Present: Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson.

Longenecker agreed to carry out the screen planting in front of the Morgan residence on Ho-Mee-Um Pond this fall.

There was some discussion concerning the organization of the Arboretum Advisory Committee -- frequency of meetings, dates of meetings, etc. Curtis feels it should be a working committee, possibly meeting as often as every two months. It was felt that an October meeting would probably be desirable.

The matter of new Arboretum buildings was discussed at some length. The Supervisor's residence now has the highest priority (of proposed Arboretum structures) on the University building schedule. Longenecker is to draw up tentative plans for the location of all buildings and roads on the headquarters site.

The budget for 1960-61 was discussed. Curtis asked for suggestions as to needed capital equipment. Our principal need at the moment seems to be for a chopper-shredder machine. An attempt will be made to find whether a shredder which can be powered by a take-off from a tractor can be obtained, as it appears that the self-powered ones are too expensive for our funds in hand.

Curtis brought up the question of hiring one more crew man on a year around basis, and also splitting the seasonal crew labor period into two three month periods -- one in the spring planting season, the other in the fall.

Curtis suggested that it would be highly desirable for the Arboretum to obtain more publicity, in a wider range of publications than it has had in the past. He feels that not enough is known on a state-wide and national basis about our assets and program.

McCabe requested use of Arboretum labor in assembling traps for rabbit research program to be carried out in part on Arboretum. In line with Arboretum policy, this was approved as a spare-time project.

H. C. Greene, Secretary

Arboretum Committee Meeting

November 10, 1959

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson

A research proposal from Hasler for use of Arboretum facilities for studies in sun orientation of fishes was unanimously approved, after some discussion.

A proposal from Prof. Emlen, Zoology, that one of his graduate students be allowed to use the Arboretum Laboratory building as full-time living quarters was unanimously rejected, as completely opposed to our policy as to use of Arboretum facilities.

It was pointed out that the college of Agriculture plans to abandon the apple orchard at Picnic Point and that, in view of the Arboretum Committee's supervisory position with respect to this area, we have some responsibility as to what shall be done with the land involved. It was felt that we should recommend to Vice Pres. Peterson that for the time being the trees should be left alone, and that the possibility of leasing the orchard to a commercial operator should be investigated.

Curtis brought up the ever-present Herrling question which now seems to have reached a point requiring some positive action. Gallistel agreed to confer with J. W. Jackson about the matter, especially as to raising extra funds which may possibly be required to consummate the deal.

Curtis told the committee members of the contradictory actions and sentiments of Arbor Drive residents concerning the Ho-Nee-Um pond dispute. Curtis will write to Messrs. Withey, Morgan, and Euhling and will suggest a meeting with them at a considerably later date, possibly next spring, since nothing further can be done at this time anyway. Vice Pres. Peterson will be notified of this letter.

H. C. Greene, Secretary

Arboretum Committee Meeting

February 12, 1960

Present: Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson.

Gallistel stated that the Herrling property has been sold to an owner with whom it appears probable we can deal satisfactorily, in the matter of a right-of-way, which we should get before the present owner disposes of the property, as it appears he may.

McCabe pointed out that it is possible that the Neloms Golf Club property may go into a real estate subdivision. He stated that in his opinion we should periodically bar access to the Club property via the road which runs through our parking area, adjacent to the prairie and the Leopold Pines, so as to prevent any subdividers from having a claim to access through our property.

Curtis brought up budgetary matters, especially in relation to cash carry-over, and there was considerable discussion as to equipment needs and what might best be done with such funds as are available, but no firm decision was reached at this meeting.

Curtis stated that in his opinion the Arboretum Committee, along with the Campus Wooded Area Committee, should protest the development of a public swimming beach on Picnic Point, as presently projected, especially since we, in theory at least, have responsibility for the Picnic Point area.

Curtis had asked Longenecker to hold a meeting of the Arboretum Advisory Committee, but he declined to act. It was agreed that an early meeting was highly necessary and a Thursday noon luncheon meeting was tentatively agreed upon.

Jacobson mentioned various equipment and maintenance items needing attention at this time.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

March 11, 1960

Present: Curtis, Greene, Hasler, McCabe, Jacobson.

Curtis discussed budgetary matters, pointing out that, of our \$44,000 total, approximately \$35,000 goes for wages and salaries. He had prepared a tabulation indicating the financial support received by the leading arboreta and botanical gardens in this country and Canada, which showed Wisconsin to be at the absolute bottom, bar none, considering our acreage in relation to our labor force and budget.

Curtis requested that Committee members give thought and study as to items to be included in the next budget.

MCCabe suggested we look again into the possibility of obtaining the Century fence (or part of it) that now surrounds the property of the former Badger Ordnance Works, since it appears there is a likelihood that the entire thing may be abandoned.

Curtis stated that we should get our orders in for needed capital equipment by April at the latest.

In connection with the new buildings needed for the Arboretum (greenhouse and superintendent's residence) Curtis suggested that we go ahead and erect a small greenhouse on our own initiative, to be connected with the laboratory and heated by its heating plant. While this would not be as large as we might ultimately need, it would fill an urgent requirement of the moment and could be done with the funds and materials on hand.

It was determined, in connection with the controversy with certain residents of Arbor Drive concerning certain Arboretum plantings, that we would remove such plantings, although they had been installed in the first place to placate some of the residents mentioned.

Curtis stated that the University now has a 4/9 interest in the Finnerud Forest, but that certain local tax problems have arisen which will have to be settled.

Curtis stated that we now have a considerable sum in gifts and grants from individuals and garden clubs and that it appears that some of these funds given to us in the past have not yet been spent.

Curtis announced that there will be a revamping of our inventory in the near future, with near or complete depreciation of many items.

Curtis read a letter from Vice-Pres. Harrington commending a bulletin on Arboretum affairs which was distributed to the faculty last summer in regard to the prairie. It was suggested that similar bulletins be issued in the future at lilac time, wild-flower time, etc.

The next Arboretum Committee Meeting has been tentatively scheduled for April 1st.

Curtis brought up the question of what to do about existing research projects, insofar as requiring reports on them is concerned. He pointed out that the Forestry Pathology group at present are using more land than any other, but that we have had no satisfactory reports from them as to their activities, that their requests for additional facilities have usually been put through on an unorthodox and "emergency" basis and that, so far as he knows, they have never given any acknowledgements to the Arboretum in any of their publications.

Curtis requested that Committee members give consideration as to what percentages of Arboretum money, land and efforts should be devoted respectively to research, teaching, adult education, and recreation. He suggested that it might be well for the Arboretum as such to sponsor its own research program.

McCabe pointed out that we can rent tractors at 10% of cost annually and that this will not have to come out of our capital equipment budget. It was agreed that this is a fine idea and should be acted upon.

Jacobson mentioned various items of capital equipment that, in his opinion, are most needed at present, including a new air-cooled engine for the nursery pump-house, a 12 inch rototiller to reduce hoeing chores and expense, a trailer for hauling behind tractor, a portable back cutter with attachments, a Wright power blade saw, and 4 Indian back cans for fire-fighting purposes. The purchase of these items was approved by the committee.

E. C. Greene, Secretary

Arboretum Committee Meeting

April 4, 1960

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.
(B. R. Tabachnick, School of Education, was present during part of the meeting.)

Curtis noted that we can expect no major repairs on the Arboretum road during 1960, because of lack of money. In most spots a layer of gravel is all that will be put on.

Curtis stated that Mr. Ahearn, head of Buildings and Grounds, has assumed responsibility for maintenance of Arboretum signs, along the road, including those signs designating areas, such as the Leopold Pines.

Curtis discussed the 1961-63 biennial budget, pointing out our need for significantly greater funds than we have had in the past, especially for the labor item, by far our greatest need and bottleneck.

The erection of a large cold-frame, as a substitute for a standard greenhouse, was approved by the Committee.

✓ Curtis gave his views as to what the principal function of the Arboretum must be in years to come if we are to obtain satisfactory support. It is his view that emphasis on research is of primary importance, and that only in this area, as opposed to teaching, adult education and recreation, can we be assured of any major financial support.

The next two meetings of the Committee were tentatively set for April 25, at 9am. and May 16, at 9am.

Prof. B. R. Tabachnick, representing the School of Education, met briefly with us to discuss a proposed trip to the Arboretum this spring by juniors in Elementary Education. Details remain to be worked out, but it was decided that a trip circulating through the Wingra and Gallistel Woods would offer much more than any other in the early spring season.

H. C. Greene, Secretary

Joint Meeting of Arboretum Committee & Arboretum Advisory Committee

April 14, 1960.

Present:- Arboretum Committee - Curtis, Gallistel, Greene, Jacobson
Advisory Committee - Benjamin, Bunn, Cottam, Dicke, Hole, Sachse.

Curtis reported briefly on Arboretum activities for the past year as regards 1) land acquisitions, 2) budgetary matters, present and near future, 3) establishment of lime prairie community, 4) plantings, 5) remodeling of shelter in Gallistel Woods, 6) buildings and near-term needs in that area, 7) off-campus areas (Faville Prairie, Observatory Woods, and Finnerud Forest in Oneida Co.), and 8) research - it was pointed out that little new research has been ~~and~~ undertaken recently and that steps should be taken to stimulate additional research.

Curtis also explained our publications, including the technical journal series, and several suggestions were received as to getting better coverage for our newsletter and for expanding its scope.

Curtis asked members of the Advisory Committee as to how they wished to proceed in the management of that committee, but no definite decisions were taken at this meeting. Prof. Dicke stated that he would like to receive notices of the regular Arboretum Committee meetings, and perhaps attend some of them. It was agreed that such notices should be sent in the future to Advisory Committee members, so that they might, if they wished, attend the meetings.

It was agreed that a full time Managing Director's salary provision should be included in the next biennial budget, the feeling being that, if he were the right sort of person, he could more than justify his salary on the basis of outside funds that he could obtain. In this connection, it was agreed that better public relations, both within and without the University, are one of our most urgent needs.

It was tentatively decided to hold another joint meeting in the Arboretum, at noon Saturday, May 28th.

H. C. Greene, Secretary.

Arboretum Committee Meeting

April 25, 1960

Present: Curtis, Gallistel, Greene, Hasler, McCabe, Longsnecker

For the benefit of members who had not attended, Curtis reported on the joint meeting of the Arboretum Committee with the Arboretum Advisory Committee.

Gallistel stated that in the matter of remodeling the old CCC officers' quarters for public meeting use (including toilet facilities) provision should be made in the budget request for the 1961-63 biennium.

Curtis suggested that, as a substitute for a greenhouse we buy a prefabricated propagating frame as a capital equipment item. Approved.

Curtis discussed the matter of existing gift and trust funds and how they might be most advantageously expended. The main problems concern the fact that some of the gift funds must be expended for specified purposes and cannot be used for general purposes.

Hasler moved that we make provision in the 1961-63 budget for salary for a full-time Managing Director for the Arboretum. Approved.

H. C. Greene, Secretary

Arboretum Committee Meeting

May 16, 1960

Present: Curtis, Gallistel, Greene, Longenecker, McCabe, Jacobson

Curtis discussed figures on budget requests for coming biennium and stated that a total increase of about \$60,000 has been asked for the period.

Curtis discussed matters of building maintenance and procedures for assigning the work.

Curtis stated that the University of Wisconsin has been offered a property on Lake Tomahawk, only a few miles from the Finnerud Forest. This property has a number of buildings and considerable land. It seemed to the Committee that the Arboretum would not be in a position to assume responsibility for maintenance of such buildings, but that it might perhaps be possible for us to participate, as one agency of the University, in their use for the convenience of research people carrying out studies in the Finnerud Forest. It was agreed that more would have to be known about the proposition, including an on-site inspection before we could reach any satisfactory conclusion as to our possible role.

Curtis stated that he had had complaints about lack of ready access to the Horticultural Area and wondered whether we really needed a fence around it. It was the concensus that a fence is desirable, but it was agreed that there should be signs indicating position of gates, and perhaps another gate midway between the present access points.

It was agreed that the Arboretum Committee does not wish to assume responsibility for the Eagle Heights area, but that it should be left in the stewardship of the Campus Wooded Areas Committee.

McCabe requested that the Committee arrange for a week-end custodian-patrolman (from our labor crew) to cover the Ho-Nee-Um area, Stephens Pond (duck pond) area, and the Olbrick Entrance area, to discourage disorderly conduct and vandalism. This was put in the form of a motion and passed, the details to be worked out.

Curtis briefly outlined the labor budget for 1960 as set up by him. He passed out copies of a sheet detailing the major jobs to be done, as he sees them. He feels there is special urgency to do long-deferred work at the Observatory Woods, including clearing out of the prairie-oak opening area, and filling up the adjacent quarry after removal of all the stone we need.

Curtis stated that the duties attendant on running the Arboretum were bearing too heavily on him as Chairman of the Committee and requested that other Committee members undertake some of them, including labor matters (McCabe), land matters (Gallistel), gifts, aids, and grants (Hasler), publicity, group meetings, maps, and blueprints (Longenecker), publications (Greene). Curtis will continue to assume major responsibility in budgetary matters. He also suggested that at least some members of the Advisory Committee be requested to take some Arboretum Area as their particular interest, keep an eye on it, and make suggestions as to handling, improvements, public use etc.

H. C. Greene, Secretary

Joint Meeting of Arboretum Committee and Arboretum Advisory Committee

Held at Arboretum, Saturday, May 28, 1960.

Present:- Arboretum Committee - Curtis, Greene, Hasler, McCabe, Jacobson
Advisory Committee - Bunn, Cottam, Dicke, Dickson, Koslowski,
Kuhz, Lettau, Sachse, Schorger.

Curtis presided at the meeting, held in the Laboratory Building, and discussed a few of the current problems, especially that of the drainage of excess waters into Lake Wingra, resulting from City of Madison activities. He is about to arrange for a meeting with interested agencies to see what can be done to rectify this situation.

Curtis passed around, for the inspection of the group, early pictures of the Arboretum Area, emphasizing the great changes that have occurred in a relatively short time.

Prof. Lettau suggested that it would be desirable to expand our trail system to allow for circulation from the Monroe St.-Nakoma Road area into the Wingra Marsh-Wingra Woods area. It was agreed that this is desirable and probably feasible and the matter will be studied in the near future.

Supt. Jacobson reported briefly on the plantings made this spring.

The formal meeting adjourned at this point and the group inspected our work equipment at Headquarters and then went to the Grady Tract for a tour of the Grady Prairie.

H. C. Greene
Secretary, Arboretum Committee.

Arboretum Committee Meeting

June 21, 1960

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe.

Curtis discussed the Grady Tract east boundary controversy, tied in with the placement of power poles on our land without prior consultation with us. It seems it will be necessary to consult with all interested parties, and this very shortly.

There was discussion of the situation at Picnic Point, as regards authorized and unauthorized (by us) research in the area. Curtis stated that Prof. J. E. Mitchell, Plant Pathology, wants to study the disease situation in the old apple orchard on the Point. The Dept. of Meteorology wants to park a seaplane in University Bay, adjacent to Picnic Point. It was felt this would not be detrimental. The committee decided that it would be advisable to get a new key for the Picnic Point gates, which are now on the Arboretum lock. This will be done at once.

The Dept. of Meteorology has a project for the study of influence of vegetation on wind turbulence for which space on the Grady Prairie was originally asked. It was our feeling this area is definitely unsuitable for the proposed project, but that the old Prairie with its central driveable firelane, is well suited and the project was approved for this latter area.

Curtis stated that Prof. Dicke of Entomology requires better facilities in the Laboratory Building than the admittedly inadequate present ones, including a sink with running water. It appears this can easily be done and we will carry it out. Prof. Dicke also would like to use the present Seed Lab as a mosquito breeding room. It was felt there would be no objection to this, as the room is not now, or likely to be seen, used to full capacity.

Curtis briefly discussed the Arboretum budget for 1960-61. In this connection he brought up the matter of obtaining another tractor on an annual rental basis (about \$500 with attachments). It was agreed that this is a favorable, and indeed the only possible way of handling this, in view of our limited funds for purchase of capital equipment.

Curtis discussed at some length the matter of right-of-way across the former Herrling property. This complicated situation is now coming to a head and definite action will have to be taken soon.

It was agreed to go ahead and order our "propagating frame" in accordance with our earlier decision.

Curtis brought up the matter of safety on the Arboretum Drive, as related to overluxuriant shrubbery on the sharp curves. It was agreed immediate action should be taken to remedy this, and also to cut down vegetation now obscuring the view of Lake Wingra from the Drive, just to the west of Wingra Woods.

Curtis stated that City of Madison authorities want to erect survey monuments on Arboretum land in connection with an aerial survey of the metropolitan area. Since these do not coincide necessarily with the reference points of the original land survey, it was felt that this matter should be looked into, especially as these monuments are of a quite permanent type.

H. C. Greene, Secretary

Arboretum Committee Meeting

July 21, 1960

Present:- Curtis, Greene, Hasler, Longenecker, McCabe, Jacobson

Curtis stated that he has made it a first order of business for himself to proceed as rapidly as possible with the acquisition of the lots in the "Lost City" requisite to give the Arboretum effective control of the area. He stated that the University administrative authorities concerned have approved a substantial increase in our offering price for these lots. It is hoped and believed that this will be approved by the University Regents, particularly in view of the very substantial acreage in the roadways which will, in effect, accrue to us gratis with their closure.

Hasler moved that available Arboretum gift and trust funds be applied insofar as they will go to the purchase of these outstanding "Lost City" lots, if the Regents approve the purchase at the proposed higher price, as noted in the first paragraph above. Approved.

It appears that it may be possible for the Arboretum to sell off certain small unneeded parcels of land under terms such that the funds realized may be applied directly to Arboretum purposes. An example of this is a strip of land adjacent to the Nakoma Country Club, largely useless to us, but valuable to the Club for their purposes. In this connection Longenecker moved that Curtis proceed with action to obtain vacation of a reversion restriction clause in the deed to the land in question. Approved.

Curtis stated that so far it has not been possible to deal advantageously with the new owner of the former Herrling property, so no further action in this matter is contemplated for the immediate future.

Curtis brought up the matter of new items of capital equipment needed - among these are "greenhouse" propagating frame, set of black shades for classroom, 2 x 2 projector and flat screen, rotary mower (26 in. wide), small roto-cultivator, set of new locks for the gates. In connection with the locks it was decided to maintain two sets and rotate them at regular, suitable intervals. This seems necessary because of the large numbers of duplicate keys which have a way of getting into unauthorized hands when any one set of locks is used for too long a period.

Jacobson stated that our Toro mower will soon need replacement and he desires two more oscillators for the nursery sprinkling system. He stated we also need more fencing.

Curtis stated that the Botany Dept. has voted, and that the Dean of Letters and Science has given tentative approval, to use Davis Fund money (income from the estate of the late J. J. Davis willed to the department) toward purchase of scientifically valuable and irreplaceable woods and other biological communities, with a view to their preservation and maintenance. As an alternative to purchase it may be possible in some instances to reach binding agreements with owners, for a financial consideration, to maintain lands according to approved specifications.

Abraham's Woods near Albany and Young's Woods near Poynette are cases in point. Longenecker moved that the Arboretum Committee assume responsibility for care of these areas if purchase (or other arrangements) is effected. Approved.

Curtis stated that he felt that a factual descriptive pamphlet (or booklet), with maps and photos, but inexpensively printed, of the Arboretum was a prime necessity. This should be available in large numbers to be handed out to interested people and groups. It was agreed that such a booklet should be prepared and Curtis distributed assignments among Committee members (including himself). A September 6 deadline was set for this material, the deadline to coincide with the next Arboretum Committee meeting on the same date.

5th is Labor Day

McCabe suggested that it would be highly desirable to burn the West Marsh for control of undesirable shrubs and trees. It appears that this could be done by mowing a broad temporary fire lane around the dangerous parts. We will try to do this in the spring of 1961, if conditions then are favorable.

The tasks previously outlined for the labor force for 1960-61 were received. Since only a very few of these have been completed, a priority rating was set up for some of the most urgent items. It is expected that progress on these tasks will be reported at each committee meeting.

Hasler moved that any care of formal plantings, beyond absolutely necessary maintenance, such as keeping down weeds, be deferred each year until a suitable period in the spring just prior to the period of intensive public attention, such as the period when the lilac plantings are in bloom. McCabe seconded, Approved.

H. C. Greene, Secretary.

Arboretum Committee Meeting

Sept. 6, 1960.

Present: Curtis, Greene, Hasler, McCabe, Jacobson. Absent: Longenecker

The matter of obtaining certain key "Lost City" lots was discussed in some detail. Curtis gave account of meeting with Town of Madison authorities, with special reference to the current assessment situation.

At an earlier meeting it was decided check as to possible means of legally effecting sale of certain Arboretum lots to the Nakoma Golf Club. The picture on this remains unclear as it appears we were committed to certain policies, we think without proper authority, by a former University officer.

The current erosion problem resulting from the Arbor Hills real-estate development, along the east side of the Grady Tract, was discussed in detail. It was felt that so far as our property north of the Beltline is concerned we should proceed without delay to make installations to handle this on a permanent basis, in order to forestall still more undesirable developments in the future.

Curtis announced the appointment of Mr. Fred R. Swan, Jr. as the new Arboretum Botanist. Mr. Swan is with the Ecology group in the Botany Department.

Curtis mentioned a number of miscellaneous Arboretum matters, including the success of the lime prairie, the burn on the old prairie this year, removal of shrubs from same, the clearing of the prairie area in Observatory Woods, and projected dredging of Stevens Pond.

It was agreed that several large cottonwoods in the tamarack area south of the Teal Pond should be disposed of by girdling.

Curtis brought up the matter of signs and suggested we might use other materials, such as heavy-gauge aluminum or fiber glass in place of the very expensive boiler plate.

The status of the proposed brochure was discussed. It appears we are behind schedule.

Problems in relation to the Monroe St. area were discussed. Curtis suggested it might be desirable to install a small parking lot adjacent to the Viburnum collection.

Curtis suggested - and it was agreed to - that we expand the conifer plantings to the southwest of the Wingra Woods so as to use up existing, more or less weedy vacant space, without destroying the vista of Lake Wingra from the drive. It was also agreed to establish a formal, Arboretum-type collection of deciduous trees in a currently vacant area immediately to the North of the parking area across from the Leopold Pines, and between the drive and the Nakoma Golf Course.

Curtis suggested that it would be desirable if we were to give thought to the matter of altering our parking areas to as to provide at least partial shade from cars.

The matter of out-of-date signs along the drive was discussed, including some which prohibit parking at points where we are plainly providing it.

Jacobson brought up several matters including questions of where to obtain fill for old quarry in Observatory woods.

Curtis stated that new locks for Picnic Point are now available and there was some discussion as to who ~~should get~~ them, as well as other points in connection with this area.

H. G. Greene, Secretary

Arboretum Committee Meeting

November 1, 1960

Present: Curtis, Greene, Hasler, Kozlowski, Longenecker, McCabe, Jacobson

Curtis stated it had been brought to his attention by Dr. Finnerud, doner of the Finnerud Forest, that some of the pines are dying as a result of attack by the pine borer, and that immediate action is required to prevent further damage. It was agreed that Supt. Jacobson should get in touch with Prof. Benjamin (Entemology) for advice as to proper handling of this problem and should then go up to the Finnerud Forest without delay (this fall) in order to take care of the matter. It is assumed that help will be available through the local Conservation Dept. authorities.

There was some discussion of the arrangement of the set-back of the gate (to provide outside parking space) at the northwest entrance of the Grady Tract and a plan suggested by Curtis was agreed to.

McCabe moved- in line with a tentative agreement made at the Sept. 6 meeting - that the conifer plantings adjacent to and southwest of the Wingra Woods be materially expanded, using conifers native to the U.S., in such a way as to more sharply frame the view of Lake Wingra from this point on the road, using due care not to obstruct the said view. Unanimously favored.

Longenecker moved - in line with the same tentative agreement mentioned in the preceding paragraph - that we establish a planting of native hardwoods north of the Arboretum Drive and slightly to the west of the parking area serving the prairie and Leopold Pines. Unanimously favored.

Curtis stated that he felt that the public, including University staff members not directly involved, had come to feel that the development of the Arboretum is just about complete, whereas in truth this is far from so. Curtis suggested that one way in which people could be kept informed as to the continuing needs of the Arboretum might be through participation in raising funds for specific purposes, such as collecting expeditions to more or less distant points to obtain materials which we need for our plant communities, but which we cannot get from commercial sources. As a starter he thought we might ask members of the Arboretum Advisory Committee to participate in such a fund-raising effort.

Kozlowski was placed in charge of arranging a meeting of the Arboretum Advisory Committee within the next month.

Longenecker reported briefly on last summer's meeting of the American Association of Botanical Gardens and Arboreta in Boston, of which organization he is Publicity Chairman.

Curtis stated that, in line with Gov. Nelson's forthcoming trip to the Conference of Governors to be held in Brasilia, the new Brazilian capital, the Arboretum had been requested to supply a tree for a collection to be established there. He stated that from a survey of the ranges of the trees that we have available, it appeared that a butternut might have the best chance of success, and such has been provided.

Curtis briefly ran over a list of items of capital equipment to be purchased this year.

The problem of the high water level at the east end of Lake Wingra was discussed in detail, including various remedial measures. It was suggested that before taking any further steps we should definitely ascertain the position of the City of Madison in regard to corrective measures - we regard their activities as giving rise to the problem in the first place - and that if no cooperation is forthcoming we seek counsel as to further steps that might be taken. Curtis will get in touch with the City Engineer.

McCabe suggested that he felt that perhaps we had been keeping the Arboretum work crew a little too long at day's end, and that we should be careful not to work them any overtime without compensation. It was agreed that his point of view is the correct one. Mr. Jacobson said he did not think there was ground for complaint as matters stand, but that he would make sure none should arise.

Curtis stated that the Meteorology Dept. has been carrying on various projects on the Arboretum without advance notification of the committee, counter to our definite policy. He stated he felt that this was probably due to inadequate understanding of our rules, set up primarily to avoid the interference with older projects by new projects unwittingly superimposed on them. Kozlowaki moved that the Meteorology Dept. be formally requested to provide the necessary information. Approved.

H. C. Greene, Secretary.

Arboretum Committee Meeting

February 10, 1961

Present: Curtis, Greene, Hasler, Kozlowski, Longenecker, McCabe

Longenecker presented tentative plans for spacing of proposed buildings in the Arboretum Administration area. Two possible sites for the caretaker's residence were indicated. McCabe moved that the site near the northwest corner of the present nursery be eliminated from consideration. Motion carried.

A Veterinary Science Department project (R. P. Hanson, applicant) for a study of striped spermophiles in Picnic Point area (on a one year basis) was approved on McCabe's motion.

The degree of responsibility of the Arboretum for maintenance of research facilities, especially after lapse of the original project under which they were set up, was discussed in some detail. It was felt that each case would have to be judged on its merits and any action suited to the situation in hand. Kozlowski suggested using members of the Arboretum Advisory Committee for follow-ups on matters of this sort. Curtis then suggested that the next meeting of the Arboretum Committee be primarily devoted to a consideration of the research program of the Arboretum.

Curtis reported that the project of removal of diseased trees from the Finnerud Forest was finally under way and that Supt. Jacobson is now in the north supervising it. Nearby prison camp labor is being employed in the felling and in production of lumber from the logs. They will take compensation in half of the lumber sawn.

Curtis noted we had recently acquired a trailer from War Surplus - it is a former ammunition carrier, also another back saw useful in brush removal, and he has ordered a 7 x 19' greenhouse of a cold-frame type to be used in the Administration area, adjacent to the laboratory building.

Curtis read a preliminary proposal from Prof. G. Cottam of the Botany Department for establishment of a Rocky Mountain tree community in the Grady Tract to the north of the old race track area. The idea was approved and Cottam will be requested to present a detailed plan.

Priority to major labor jobs for 1960 was assigned (~~see accompanying sheet~~) and Curtis presented a tentative hours distribution for the various principal labor categories.

The trees for the proposed conifer planting to the southwest of the Wingra Woods were listed by Curtis and discussed, as was also the case with the trees for the hardwood specimen planting to the west of the Leopold Pines parking area.

H. C. Greene, Secretary

Arboretum Committee Meeting

March 1, 1961

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson

Curtis discussed removal of diseased pines in Finnerud Forest - 100 trees yielding 12,800 board feet - half to us - Jacobson supervised operation.

Curtis discussed proposal of Madison Gas & Electric Company to run line from Seminole Highway area to Nakoma Country Club tool house. He pointed out that they wanted to go on our land for a substantial portion of the distance, but stated this was unnecessary and pointed out an alternative route which it was agreed we should insist on.

Curtis stated that three Lost City lots (in an estate) are now available to us at \$500 apiece. He will try to get a ruling that we may exceed the present \$100 limit on the purchase of such lots, an entirely unrealistic figure, in view of present-day land values in the Madison area.

Curtis discussed the 1960-61 seed exchange briefly - although the list included only about 60 species, many of them were rare and unusual items, and Curtis stated the response was about the highest ever with requests much exceeding the available supply.

Curtis discussed the new propagating frame which it appears will cost about \$800 complete and will be very useful to us pending installation of more permanent facilities.

Curtis stated that Prof. Emlen of Zoology wants to rebuild observation tower in blackbird study area for class purposes. McCabe moved that this be approved upon the understanding that Emlen provide us with a statement as to proposed use. Motion passed.

Curtis pointed out that the Arboretum would seem to offer the best site for the winter hardiness studies for which funds were provided in the will of the late owner of the McKay Nurseries.

It was suggested that a spring meeting with members of the University Administration, if it can be arranged, in order to more thoroughly acquaint them with the Arboretum and its purposes would be desirable.

Curtis appointed Longenecker and Hasler to a committee to make up a working budget, the budget to include a half-time secretary to relieve Mrs. Catherine Pieper, who has been carrying on the work which she did when Mr. Gallistel was Committee Chairman.

Curtis pointed out that the Arboretum residence has been removed from the building priority list. It was agreed that the present residence is in such poor repair and so far gone that nothing more can be done about patching it up and that it cannot be used during another winter. We will either have to have a new residence at the headquarters, or engage a full-time night-watchman as an alternative.

Longenecker stated that the 1958 aerial survey maps of the Arboretum are in a University vault and that we should be able to get a set printed up. No one seems to know how to go about this, however.

Hasler stated that the heavy steel equipment storage case at the Gardner Ponds has been stolen and he wants to purchase a 20 foot section of a large steel culvert to replace it, at a cost of \$600. The Committee approved a request to include this in the budget, as moved by Hasler.

Curtis stated that, although he might technically still be Arboretum Research Coordinator, he cannot carry on the job on top of the Committee Chairmanship and suggested that someone else ought to be appointed at this time. McCabe moved that Cottam be approached on this and appointed if he is willing and able to function in the job. Approved.

Curtis discussed possible sources of funds for needed buildings on the Arboretum.

Curtis stated it would be desirable to put in some study on how to encourage use for research of the Arboretum auxiliary areas, including Faville Prairie, Observatory Woods, and the Finnerud Forest.

It was agreed that the Committee for Greater Madison should be invited to tour the Arboretum this spring.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

March 12, 1961

Present: Curtis, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson

Jacobson reported on preparations for burning of Arboretum prairies.

Curtis stated that Cottam has agreed to become Arboretum Research Coordinator. Curtis appointed Hasler and McCabe as members of a subcommittee to meet with Cottam to outline duties and procedures of the Research Coordinator. Up to now, this person has been principally concerned in avoiding conflicts as to land use by various projects.

Curtis reported on budgetary matters, stating that in his belief we are not deriving full benefit from such of our funds as are allocated to the Buildings and Grounds Department for Arboretum purposes. A new budget has to be submitted soon.

Curtis reported that Ho-Nee-Um Pond is being increasingly used by fishermen as a site for launching their boats and that the banks of the pond are suffering considerable damage from this. It was resolved and passed that we erect signs prohibiting the use of the area as a boat landing.

The matter of the urgent need for more police protection in the Arboretum was discussed in detail, and McCabe agreed to get in touch with Mr. Hamman, chief of the University police, to see what can be done about this.

H. C. Greene, Secretary

Arboretum Committee Meeting

May 3, 1961.

Present:- Cottam, Gallistel, Greene, Hasler, Kozlowski, Longenecker, McCabe.

Hasler presided, in the absence of Curtis.

Hasler presented a letter from Mr. Schnesberger of the Conservation Dept. relative to the development of the lowlands adjacent to Willows Drive for northern pike research. It was felt we could not properly consider this, as we have no control over the land in question.

Hasler stated that he had talked to Prof. Madeline Doran about the conditions on Ho-Mee-Um Pond resulting from overuse of the pond by fishermen, and concerning which she had complained. Hasler said he suggested she try to get the city to restrict parking, or eliminate it, on Arbor Drive as a means of discouraging the fishermen. He pointed out that as matters stand we are not able to do much about police supervision of such matters.

The question of obtaining adequate police protection for the Arboretum was discussed again, following McCabe's unsatisfactory interview with Mr. Hamman, Chief of the University Police (reported on by McCabe in a letter to the Arboretum Committee, dated April 18th). It was suggested that perhaps we might be able to get the Dane County Police to include the Arboretum in their patrol area. McCabe agreed to approach the higher University Administration officials about our difficulties in obtaining police protection.

Cottam's duties as Arboretum Research Coordinator were discussed. It was agreed that we need a check-up on the status of current projects, some of which may have lapsed or become inactive without notification to the Arboretum Committee. Hasler will make an announcement to the next meeting of the Biological Division on research in the Arboretum, as a means of bringing the matter to the attention of a maximum number of those concerned.

David D. Walgenback of the Entomology Dept. submitted a project for study of black pine needle scale in the Arboretum on jack pines. This would not involve introduction of diseased material or disease agents, as the disease is already present. Approved.

Hasler presented a plan of Curtis for obtaining funds for our projected Research Center through sale of certain lands and the obtaining of matching funds. Some of this money would also be used to buy up such Lost City lots as still remained to be acquired. It was agreed that this is a good idea and should be acted upon as soon as feasible.

Hasler brought up the matter of the annual budget for 1961-62 which has to be presented soon. He will consult with Mrs. Pieper on this as she has had much experience in the preparation of these budgets in the past.

H. C. Greene, Secretary

Arboretum Committee Meeting

May 31, 1961

Present: Cottam, Greene, Hasler Kozlowski, Longenecker, McCabe, Jacobson.
(Hasler presiding, as acting Chairman, in illness of Curtis)

Hasler stated that he had had a conference with Curtis on the matter of obtaining a building for a research center on the Arboretum, and that they had discussed means for obtaining funds for this purpose and that Curtis had suggested that a Building Committee be appointed, as soon as appropriate. In this connection Hasler suggested that we set up a meeting jointly with the Arboretum Advisory Committee for Tuesday, June 6.

McCabe reported on the results of a conference with A. D. Hamann, Chief of University Police and A. F. Ahearn, University Superintendent of Buildings and Grounds, on the matter of more adequate police protection for the Arboretum. McCabe stated that they indicated a willingness, if at all possible, to provide more patrolling, but that under conditions now prevailing they are unable to do so. It was decided that we would have to carry the matter to the chief administrative officers of the University and McCabe was delegated to do this.

Cottam reported on acquisition of certain teaching aid equipment, including a portable tape recorder.

Jacobson reported on several items, including poles of a power line along the east side of the Grady Tract which have been installed on what we believe to be our land, without authorization. It seems imperative that an adequate survey of this boundary be carried out as soon as possible. He stated that the Stevens Pond is in poor shape, what with turbid water from storm sewers and run-off from golf course area. It appears it is a city responsibility to correct the storm sewer situation. Jacobson suggested it would be a good thing to build a bridge to the island in the Stevens Pond, as the place is now being damaged by juveniles who wade there. This was approved by the committee. Jacobson suggested that he needed a small rotary sawer (\$67.00) and some lumber. There is \$350.00 remaining in the capital fund - enough for this purpose - and McCabe moved that it be so used. Approved. Jacobson wants to install a culvert under the fire lane in the cottonwood area southeast of the headquarters, for improved drainage. Approved.

Jacobson reported that the lumber which was sawed from the pines which had to be removed from the Finnerud Forest is now available, but he suggested we leave it to season for a period. Kozlowski agreed to inspect the lumber and to see about the possibility of obtaining credit for it against supplies we may need in the maintenance of the Finnerud Forest.

Jacobson requested that overtime payment be made available to Francis Meyers of the work crew, so that he can be on the job 1/2 hour earlier in the morning to perform chores preparatory to the day's work. Hasler moved that this be done - not to exceed \$250 per year in amount - Longenecker seconded. Approved.

Longenecker moved that efforts be made to improve Jacobson's salary for the coming year, provided he stays on for this period beyond his planned retirement. McCabe seconded. Approved.

E. C. Greene, Secretary

Joint Meeting of Arboretum Committee and Arboretum Advisory Committee.

June 6, 1961.

Present:- Cottam, Dicke, Dickson, Gallistel, Greene, Hasler, Benjamin, Lettau, Longenecker, McCabe.

The group assembled for lunch at the Memorial Union Building and then adjourned to the Zoology Seminar Room in Birge Hall, where a brief meeting was held, Hasler presiding.

Hasler announced that Mr. Jacobson will be staying on for another year. The possibility that Dave Archbald may still be hired as Arboretum Superintendent-Director was mentioned, but it appears that this is contingent upon various still unresolved factors.

Hasler presented a brief resume of Curtis' plan for obtaining funds for a research center on the Arboretum, and there was some discussion of the advisability of setting up a Building Committee, but no action was taken at this time.

Hasler mentioned that the time seemed to have come to implement Curtis' plan to set up an organization to be tentatively known as Friends of the Arboretum. This would be composed primarily of interested and influential citizens of the state without direct University connection, and would be set up in such a way that funds could be made directly available for Arboretum purposes.

✓ Dicke brought up the matter of assigning areas of interest in the Arboretum to various Advisory Committeemembers. Curtis had originally suggested this with the idea that we could thus keep "tabs" on what was going on over the area and take corrective measures whenever undesirable situations arose.

✓ Dicke also suggested that we look into the proposition of making the area available to amateur groups with collecting interests, where this would not conflict with our overall purposes. He had in mind youthful entomologists bent on making a representative insect collection.

Cottam showed the films of the prairie fires made earlier in the spring by Encyclopaedia Brittanica Films to be used in one of their educational films on the prairie biome.

H. C. Greene
Secretary, Arboretum Committee

HCG:bb

Arboretum Committee Meeting Minutes

August 10, 1961

Present: Cottam, Gallistel, Greene, Hasler, Longenecker, Jacobson.

Cottam stated that Mrs. Jane Curtis had passed the State Civil Service exam for Typist II and recommended her employment, on a part-time basis by the Arboretum. Approved unanimously. He pointed out that we will need to purchase various items of equipment for her use, including a typewriter, filing cabinet, and perhaps a desk.

Cottam suggested that in view of John Curtis' many services to the Arboretum, it would be most fitting to dedicate one of the Arboretum plant communities to his memory and that in his opinion the prairie north of the Beltline would be highly appropriate. So moved and approved. Hasler further moved that Cottam and McCabe be delegated to organize a dedication ceremony, and that in conjunction with it we endeavor to make a start toward organization of the "Friends of the Arboretum," the latter being a thing long desired by Prof. Curtis. Approved.

Cottam stated that the Regents have approved sale of the "Bishop's" tract, and that it will be opened for bids at the end of the month. There was some discussion as to whether the Arboretum should seek an easement for fire lane purposes, and, if so, what effect this might have on the price.

Cottam pointed out that we should, without delay, make a start on plans for the Arboretum research building. It was agreed that copies of Curtis' document dealing with the research building should be sent to University President Elvehjem, and Vice Presidents Peterson and Harrington.

There was a long discussion of the effects on the Arboretum of the Treasure Hunt sponsored by Madison radio station WISM in conjunction with local advertisers. It was decided that we should obtain advice through the office of the Wisconsin Attorney General as to legal steps which might be taken to prevent the repetition of anything of this sort in the future. Cottam will send a detailed letter to Vice President Harrington about the Treasure Hunt, including an estimate of damages.

It was decided that there is no urgency in the matter of appointment of Arboretum Research Coordinator. Hasler suggested that what we have to offer in research facilities should be made known to the entire faculty, perhaps through a write-up in MEMO.

In the matter of Dutch Elm disease, it was decided that our policy will be to remove trees as they become diseased, as opposed to immediate removal of all elms on the area.

Cottam stated that Bryce E. Smith, an ecology student, has a project to study development of May-apple under varying conditions and will require some sites in the Arboretum. Approved.

Inasmuch as Curtis was Chairman of the Sensitive Areas Committee, Cottam brought to attention of the Arboretum Committee a communication he (Cottam) had received from Building and Grounds Superintendent A. F. Ahearn concerning the overgrown and bush area adjacent to Elizabeth Waters Hall, and supposed dangers to female pedestrians resulting therefrom. Longenecker stated

that he had already been consulted and had recommended clearing of the area adjacent to the path, and that he would oversee the work. Longenecker's recommendations were approved by the Committee.

Cottam suggested that there should probably be a joint meeting of the Arboretum Committee and the Arboretum Advisory Committee in connection with the prairie dedication and organization of the "Friends of the Arboretum."

Jacobson offered a list of urgent repairs to buildings now required. Jacobson stated the Arboretum badly needs another truck, but Hasler pointed out that any action on this will have to be delayed until we know where we stand on the budget.

It was agreed that it would be desirable sometime this fall to have a meeting with Vice President Harrington on Arboretum organization.

Cottam suggested, and it was approved, that the Leopold Pines be opened up to some extent to encourage development of understory vegetation. At present the shade is so intense that nothing has a chance.

Cottam stated that he had received complaints from Mr. Fletcher, custodian of Picnic Point, concerning the activities of certain groups of campers. The matter will be looked into.

H. C. Greene, Secretary

THE UNIVERSITY OF WISCONSIN
Madison 6, Wisconsin

Office of the Vice President
Academic Affairs

September 11, 1961

TO: Members of the Arboretum Committee, 1961-62

Grant Cottam, Chairman	G. W. Longenecker
R. J. Dicke	A. D. Hasler ✓
H. C. Greene	R. A. McCabe

Members of the Arboretum Advisory Committee, 1961-62

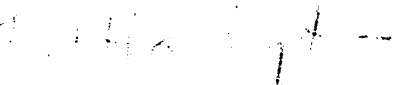
D. M. Benjamin	H. H. Lettau
J. H. Beuscher	W. G. Reeder
C. C. Center	W. L. Sachse
R. F. Evert	A. W. Schorger
T. T. Kozlowski	N. J. Smith
J. E. Kuntz	J. H. Wilde

Dear Colleagues:

Here are the appointments to the Arboretum Committee, and
the Arboretum Advisory Committee for 1961-62.

I hope you will all be willing to serve.

Cordially,


Fred Harvey Harrington
Vice President

vf

Arboretum Committee Meeting Minutes

September 21, 1961

Present: Cottam, Dicke, Greene, Longenecker, McCabe, Jacobson.

Until further notice, Monday's at 8:30 a.m. is the time agreed upon for regular Arboretum Committee meetings.

Cottam stated that Dr. David Archbald is interested in the position of Arboretum Superintendent with its contemplated expanded responsibilities. He will be available on April 1st next. It is proposed that he will be hired with the rank of Assistant Professor in the Botany Department and that the position will carry with it normal opportunities for academic advancement. It was stated by Cottam that the University Administration is agreeable to this arrangement.

Cottam stated that bids on the Sensenbrenner Tract had been opened, but that the highest was, in his and the University financial officer's opinion, far too low and should be rejected, as it is almost certain that, in time, we can do much better.

Cottam stated that Mr. Charles H. Johannsen, who has property north of the Beltline and adjacent to our east boundary wishes to make a land trade with the Arboretum. On first inspection it appears that this will not be to our advantage, but is to be looked into further.

It was announced by Cottam that a lot owned by Carl Laughnan estate, one of the few remaining to be acquired in the Lost City area, has been offered to us at a price that seems reasonable under the circumstances. It was agreed that we should recommend its purchase.

Cottam discussed the 1961-62 Arboretum budget, which is approximately the same as for the preceding year.

There was a discussion as to the issuance of Arboretum--use permits to graduate students and others desiring to carry on research or collect specimens in the area. The unanimous view of the Committee was that such permits are desirable and that a new supply of permit cards should be printed.

Cottam stated that Mrs. Nancy Sachse, who earlier this year published a paper on the history of the Arboretum, wishes to do a more extensive piece of work on the same subject, running to perhaps 150 pages. We are in favor of this but there is a question as to who would bear the cost of publication.

Cottam announced that a line of credit (\$700) has been established with a Woodruff, Wisconsin merchant in payment for the lumber taken last winter from the Finnerud Forest. According to Jacobson, there are some more trees which should be removed.

Cottam read a request from the University Athletic Department for the use of the path system on Picnic Point for races by the cross-country team. McCabe moved that permission be granted and this was done.

McCabe presented a request, in connection with his spermophile study, to dig up four burrows in the unmowed section of the Horticultural Area north-east of the lilac plantings. Sods would be replaced and there would be little permanent evidence of disturbance. Approved.

It appears that, as matters stand, Mezera and Moran of the Arboretum labor crew, cannot be advanced from their present status of Laborer II, as under state personnel regulations--"The supervisory aspects of the positions are the only elements which would justify allocation of either position to a higher level. Under present assignments these are not well enough defined nor of sufficient scope to warrant this action."

Jacobson outlined a number of current Arboretum problems and various solutions were suggested, but no formal action was taken.

H. C. Greene, Secretary

Arboretum Committee Meeting

October 23, 1961.

Present:- Cottam, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

Cottam stated he favored rather extensive thinning, on a selective basis, of the Leopold Pines, so as to favor the establishment of a typical pine woods understory. As matters stand, the canopy is so dense as to be unnatural and works against the survival of plants on the forest floor.

There was discussion as to means of establishing the east boundary line of the Grady Tract, so that we can go ahead with the installation of a mesh fence to replace the 3-strand barbed wire fence we now have. Gallistel suggested that before going ahead with a survey of our own we should get in contact with the surveyor who ran a line for the real estate firm now exploiting the old Williams farm. If, after talks with him, we should feel his survey was probably correct and reliable, we might accept it and avoid the considerable expense of an independent survey.

Cottam stated that he had looked into ^a land exchange deal proposed by Mr. Johannsen, our next door neighbor to the east on the north side of the Beltline, and that he, Cottam, felt it was not equitable and would be of no advantage to the Arboretum, a view concurred in by the rest of the Committee.

Cottam brought up the matter of publication of the proposed history of the Arboretum by Mrs. Nancy Sachse. No conclusion was reached as to the means or agency by which this might be accomplished, but the Committee favors it and feels something can be worked out.

Francis Mezera and his family have moved out of the Arboretum residence, which will be demolished and be replaced temporarily with a trailer to accommodate a caretaker and his wife for this winter. Mr. Robert W. Ream, graduate student in Botany, and his wife will be the occupants.

There was considerable discussion as to ways and means of establishing the long-contemplated Friends of the Arboretum. It is felt that members of its board should be drawn, not only from the Madison area, but on a statewide basis, so far as feasible.

A joint meeting with the Arboretum Advisory Committee is to be held on Nov. 7th if it can be arranged. This will be an evening dinner meeting at the Memorial Union.

Jacobson asked for authority to remove the outhouse (dating back to CCC days) in the Wingra Woods, as it has no present use and is merely a subject for vandals. It was agreed that he should remove it.

H. C. Greens, Secretary.

Joint Meeting of Arboretum Committee and Arboretum Advisory Committee

(Dinner meeting held in Round Table Room, Memorial Union, 6:30 PM,
Tuesday, Nov. 7, 1961)

Present:

- 1) Arboretum Committee - Cottam, Dicke, Greene, Hasler, Longenecker, McCabe
(A. F. Gallistel and J. R. Jacobson also attended)
- 2) Advisory Committee - Beuscher, Evert, Kuntz, Reeder, Sachse, Schorger, Wilde

Professor Cottam, Chairman of the Arboretum Committee, performed introductions of new and old committee members, and gave an illustrated talk on the development of the Arboretum, and mentioned some of our present problems.

Following Prof. Cottam's presentation various members presented their views on the solution of some of our problems, and while no definite actions were taken, the meeting was an undoubted success and Advisory Committee members were very helpful in their assessments and recommendations.

H. C. Greene
Secretary, Arboretum Committee.

Arboretum Committee Meeting Minutes

December 4, 1961

Absent: H. C. Greene

Cottam reported that the installation of the trailer which is to replace the old residence has been completed, except for installation of an oil tank. The Reams are already living in the trailer, and some minor work still remains to be done on the plumbing. The question of construction of a porch over the existing patio and landscaping to change the path of travel from the patio to the front door was discussed. McCabe was of the opinion that the patio was in such disrepair that it should be torn out and a concrete slab installed to make a walkway to both doors of the trailer. Longenecker agreed to examine the problem of traffic pattern and patio and make a plan for any necessary changes and improvements.

Cottam presented an outline of the purposes and functions of the Friends of the Arboretum. Suggested additions to the outline included:

Contributions to a research and /or headquarters building.
Definition of term of office of the officers, with a plan for rotation and election.

Hasler suggested that we ask Prof. Beuscher to draw up a set of by-laws incorporating the material in the outline mentioned above. This was agreed to by the committee.

Cottam relayed a suggestion by Prof. Beuscher that we examine the possibility of acquiring a house from the area south of the University that is being renovated as an Urban Redevelopment project and moving it to the Arboretum. It was the opinion of the Committee that unless a one-story house in good condition could be acquired from this source, we would be better off in the long run to continue our present arrangement until a new house can be built through normal channels.

Mr. J. W. Jackson has been active in tracing the ownership of the outstanding lots in the Lost City area and has succeeded in getting agreement from two owners to sell three lots for between 200 and 300 dollars each. Gallistel reported that Col. Jackson had discovered that one of the lots we had thought to be in private ownership had actually been purchased by the University. No record of this purchase is in the Arboretum files. This is Lot 17 in Block 13, formerly owned by Leonard Trachte and sold by him to a Mr. Hanson, who sold it to the University very recently. Our present status on the Lost City lots is:

Negotiations well under way:

Lot 25, Block 23, a gift from the owner, Herman Meier.
Lot 14 and $\frac{1}{2}$ of Lot 15, Block 24, owned by the Laughnan estate.

Negotiations begun:

Lot 21 and 22, formerly in the Sorenson estate.
Lot 4, Block 17, owned by Andrew Hauge.

The outstanding lots include:

Lots 14 and 15, Block 12, owned by Otto Zerwick.
Lot 21, Block 14, owned by E. W. Schilling.
Lot 22, Block 14, owned by Ida Opprud.
Lot 24, Block 14, formerly owned by Capital City Lumber Co.
Lots 23 and 24, Block 16, owned by C. F. Krause.
Lot 14, Block 17, owned by A. C. Larson.

There was a discussion of the proposal to solicit funds for a research building to be erected in the headquarters area. Cottam distributed some old plans for the contents of the building, and some drawings of building shape and site location. The following procedure was agreed to:

1. Distribution of requests to the various departments that would be interested in such a building to submit their space needs in detail.
2. Compilation of these space needs, and a decision about size and shape of the building.
3. Submission of these needs to the University planning and construction department, and a decision about exact location of the building.
4. Preparation of a proposal to ~~submitted~~ to NSF and perhaps NIH for funds.

G. Cottam,
Acting Secretary

Arboretum Committee Meeting Minutes

February 5, 1962

Present: Cottam, Dicke, Gallistel, Greene, Hasler, Longenecker, Jacobson.

Cottam stated that the Geology Department has agreed to remove unused equipment it has had stored on Picnic Point.

Cottam stated that in his opinion Mrs. Sachse's new article on the history of the Arboretum is exceedingly well done and merits publication if we can find funds for this purpose.

Cottam called to the attention of the Committee the proposal from Mrs. Bentley Courtenay to obtain Arboretum sponsorship for a wildflower guide which she is preparing, plus technical advice and assistance (non-financial), in return for which she would give the Arboretum 25% of the proceeds. The feeling of the Committee was that if this could be worked out with the approval of the ultimate University authorities we would favor Mrs. Courtenay's proposal.

Cottam stated that Dr. Dave Archbald plans to arrive in Madison about April 10th and will proceed to familiarize himself with the affairs of the Arboretum, but that Mr. Jacobson will remain in full charge of the daily operation of the area until he retires June 30th.

Cottam brought up the matter of a replacement for Mezera of the work crew who recently left the employment of the Arboretum. Also discussed was the matter of obtaining a foreman for the crew, since presumably Archbald's duties will be such that he will be unable to keep in as close touch with the crew as Mr. Jacobson has done.

Needed capital equipment includes a new lawn mower and a new one-man chain saw, plus some back pumps for fire-fighting purposes. Cottam also pointed out in connection with office space in Birge Hall for Archbald (in the current Arboretum office) there will be two new desks needed plus a new map case. It appears we will probably find it necessary to rent the lawn mower, since we do not at this time have sufficient money in our capital equipment account to buy all these things outright.

Cottam brought up the question of the proposed public beach at Picnic Point--replacing the Willows Beach--particularly as it will affect overnight camping activities of the Madison Girl Scout Brownie Camp and Camp Indianola, both of which have used the area in the past and have indicated a desire to continue so using. It was felt that under the circumstances all overnight camping should be prohibited and Cottam will write to these organizations to that effect. Other matters concerning use of the beach were discussed, including transportation, sanitary facilities and police protection.

Longenecker has agreed to draw up a tentative plan for the future of the Picnic Point area, on the basis of intensive public use which it is sure to receive in increasing measure.

Feb. 5, 1962

2.

Gallistel stated that Mr. J. W. Jackson had announced to him that all but three or four of the lots in the Lost City have now been acquired and that it looks as though a couple more may be coming up for tax sale this spring.

Cottam stated that Mr. K. G. Kurtenacker has offered to donate to the Arboretum three lots that he owns on Carver Street, just across the street from the Arboretum. It was the concensus that we should accept this offer since the lots might be useful to us for land trading purposes, and since Cottam said that it was his understanding that Mr. Kurtenacker would not object to such use.

Cottam listed the space requirements of various departments in our proposed new research building, insofar as he had received replies to his questionnaire. There was considerable discussion of the tentative layout, and it was agreed to proceed as rapidly as possible with steps to bring the project to the actual planning stage.

Cottam briefly discussed the current status of the Friends of the Arboretum, and stated he would proceed with plans on this as fast as possible.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

March 5, 1962

Present: Cottam, Dicke, Gallistel, Greene, Hasler, Longenecker, McCabe, Jacobson.

Cottam stated that Arboretum participation in the wild flower guide by Mrs. Bentley Courtenay of Madison had been vetoed by the University administrative authorities and that he had written a letter to this effect to Mrs. Courtenay.

Cottam stated that he had discussed Arboretum matters with Vice President Harrington and that it appears we will be able to obtain the items of capital equipment most needed at this time. It also appears that we will be able to hire a labor foreman for the Arboretum crew as of April 1st.

In the matter of an Arboretum residence Cottam stated that some houses being removed from the area of the Madison Urban Redevelopment project had been examined but were found to be entirely unsuitable for our purposes.

As of February 1st there were 6 Lost City lots still outstanding and to be acquired. Two of these will come up for tax sale May 1st, when it is hoped we will be able to bid them in.

Cottam discussed the article by Mrs. Sachse on Arboretum history. It was the feeling of the Committee that it should, for publication purposes, be combined with the earlier article which appeared in the Wisconsin Magazine of History. That is, both should be merged as a unit which would necessitate some re-writing.

Cottam stated that he thought the material, now at the Arboretum, on which Mrs. Sachse based her article should be deposited for safekeeping in the University Archives. It was agreed this should be done and that it would be desirable if possible to place all Arboretum historical material there.

Hasler suggested that it would be desirable for the Arboretum Committee to convey a written message of condolence to Mrs. J. G. Dickson on the death of her husband, a former Arboretum Committee member. McCabe agreed to compose such a message and circulate it to Committee members.

Cottam stated that the three lots on Carver Street offered to us by Mr. K. G. Kurtenacker of Madison are now in our possession.

Cottam circulated proposed by-laws and constitution for the Friends of the Arboretum, as drawn up by Prof. J. H. Beuscher of the Advisory Committee. Following some discussion as to means of activating the Friends of the Arboretum, it was agreed to call on Prof. Beuscher for further advice and suggestions, since it was felt that his wide acquaintance in Madison would perhaps enable him to offer names of Madison residents who might be suitable to head the organization.

It was further suggested, and Cottam agreed, to call a meeting of the Arboretum Advisory Committee for discussion of the organization of the Friends of the Arboretum.

The Committee recommended to the Chairman of the John T. Curtis fund that the unallocated money therein might be used to help initiate the publication of the brochure for the newly established Friends of the Arboretum.

The Committee authorized Supt. Jacobson to remove certain cottonwood trees along Nakoma Road which are a nuisance as a result of the flying about of the "cotton" in season.

McCabe stated the fox population of the Arboretum is now quite high and that the Wildlife group wishes to trap and mark them for study purposes.

McCabe pointed out that due to the heavy snow cover this year we will have problems on the area from spring run-off and that we should take steps now to minimize the damage. He suggested among other things opening the dam in the Gallistel Woods and taking action to prevent further deposition of sand on the prairie.

Dicke asked whether Cottam had done anything about assigning areas to the individual Committee members (Executive and Advisory) for their protective surveillance. It appeared that no action had yet been taken, but, at his own request, Dicke was assigned the Teal Pond area which is of special interest to him.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

May 7, 1962

Present: Cottam, Dicke, Gallistel, Greene, Hasler, Longenecker, McCabe, Archbald, Jacobson.

Cottam discussed the current budget, pointing out that the increase over the previous year is due exclusively to salary changes and that funds in capital equipment and supplies remain as they were for the present. A new pick-up truck has been purchased but not yet delivered. A large lawn mower has been leased from the Jacobson Mower Co. at a rate of 10% of the new price annually. We have also purchased a new chain saw, two new desks and chairs for the Arboretum Office, and a map case is on requisition. For practical purposes, the capital equipment funds are now exhausted. (A mower has also been ordered for Picnic Point.)

Cottam presented a list of research proposals: (1) Prof. H. C. Coppel, Entomology--Plots in tamarack areas for study of biological control of larch case-bearer; (2) Prof. R. F. Evert, Botany--Desires bark samples from black locusts along Seminole Highway in Grady Tract, and also from Haralson apple trees in the old orchard in Picnic Point; (3) Prof. T. M. Beatty, Soils--Requested permission to dig three soil pits near the base of Picnic Point for use in Regional Collegiate Land Judging Contest; (4) Prof. R. A. Brink, Genetics--Requested permission to remove trees encroaching on Genetics Dept. corn plots in Picnic Point area; (5) Prof. M. N. Dana, Horticulture--Requested permission to set out marker stakes in the lilac area in connection with a phenological project on blooming dates; (6) Prof. J. T. Medler, Entomology--Submitted a list of 12 plants needed for a study on histological effects caused by saliva of sucking insects. These materials were supplied; (7) Charles Brown, Assistant in Botany--Submitted a formal proposal for a study of productivity and energy relationships in a burned and unburned section of prairie. Formal action was not taken on any of these proposals, but no opposition was expressed.

The Chairman announced that Mr. David Tillotson (Wild Land Foundation, 7528 W. Meinecke Ave., Wauwatosa), grandson of Mr. Faville, has agreed to remove the fence between our Faville property and the Wild Land Foundation property on our east boundary. He has now removed this fence and we have permission to burn to the river. It was also pointed out that the four corners of our property should be permanently marked.

Cottam presented a request from the Model A Club, a group of old-car enthusiasts, to hold a picnic in the Arboretum on Sunday, June 17. This was tentatively approved, with the understanding that this is to be a picnic only, without any sporting events or similar features.

Cottam stated that Prof. J. H. Beuscher has now taken over the task of organizing the Friends of the Arboretum and that the brochure for this organization was now at the printers.

Cottam asked for comments on the "Statement of Policy for the Arboretum" which he had circulated to Committee members. McCabe suggested that there seemed to be no provision for liaison with other University administrative bodies. After some discussion it was decided that the responsibility for this lies essentially with the Chairman of the Arboretum Committee, and Cottam agreed to draw up a paragraph on the duties of the Chairman and submit it to the Committee for approval. Hasler suggested that research, as such, seemed to have been slighted in the Statement, and it was agreed that there should be some alteration to provide for this.

Archbald will prepare, based on Jacobson's daily records, a Standard Operations Manual, and submit it to the Committee.

The Arboretum map in color, prepared some time ago by Prof. Wilde, was examined and discussed. It appears that there are some minor corrections in location of trails and similar things which should be altered before the map is published. Prof. Wilde will be requested to do this, since he is the person best able to do the job.

Dicke stated that Mr. Sieker, a Madison attorney, wants to make a survey and collection of the Lepidoptera of the Arboretum. He will give us a collection for our use. Dicke favors a study program for amateur entomologists which will enable them to collect on the Arboretum and he would like to see us provide space for them to work on and store their collections. The Committee approved this on a provisional basis and requested Dicke to submit a detailed written proposal.

McCabe entered a request for renovation and repair of the old barracks now used for storage and other purposes by the Dept. of Wildlife Management.

McCabe suggested that we ought to make sure that the new foreman we propose to hire will have the training and ability to continue with Jacobson's highly successful propagation activities.

Jacobson reported on labor crew activities in April and mentioned several rather large and urgent projects for the coming summer, including a new fence along the east boundary of the Grady Tract and relocation of a fire lane in the same area. It was brought out that this was the last Arboretum Committee meeting which Mr. Jacobson will attend, because of his retirement next month, and Committee members expressed their appreciation for his consistent and faithful service to the Arboretum and for the many "extra" hours put in by him, which strict interpretation of the limits of his job would not have required.

Cottam stated that he and Archbald will make a trip June 1st to the University of Illinois for the purpose of attending a symposium on the aims and problems of college and university scientific areas.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

July 13, 1962

Present: Archbald, Cottam, Dicke, Gallistel, Greene, Hasler, Longenecker, Mrs. Curtis.

Cottam presented the new Arboretum Map, as revised by Prof. Wilde. It was decided that after a few more minor corrections, we will go ahead with the printing of the map, probably by the less expensive half-tone process.

Cottam reported, in connection with the biennial budget, that he had entered a request for funds for two additional personnel: 1) a Ranger-Naturalist at about \$6000, and 2) a seasonal laborer II for 1963-64, and a full-time laborer II for 1964-65.

Cottam presented a tentative written statement of the "Duties of the Arboretum Committee Chairman" which was approved, after a couple of minor changes.

Cottam presented a form to be sent to those persons having approved research projects on the Arboretum. This contained quite detailed information about regulations and a request that the Arboretum Office be advised of all papers prepared for publication and resulting from research on the Arboretum, so that an Arboretum Journal series number may be assigned. After considerable discussion and various changes in wording, this was approved.

Cottam reported that the Vilas Park Zoo authorities have asked for permission to place several swans in our duck pond when the lagoons freeze over in winter. After some discussion this was approved.

Cottam presented some recommendations from the University Department of Protection & Security. It was determined that motorized vehicles of all types, and bicycles, shall be excluded from Picnic Point. Protection & Security had also suggested that we establish a bicycle path the length of the Arboretum Drive because of the hazard to bicyclists who are using the Drive in ever-increasing numbers. It is the feeling of the Committee that this latter proposal is not feasible, on the score of both initial and maintenance expense. It was also pointed out that this would provide an open invitation to motorcycle "hot-rodders" who would more than off-set any safety gained from getting the bicyclists off the auto road.

One of the deterrents to adequate police protection is the absence of signs specifically prohibiting the use of motorized vehicles on fire lanes and paths in the Arboretum and on Picnic Point. The Committee expressed the desire to keep signs at a minimum, but at the same time agreed that we must provide Protection and Security with whatever they need to prosecute violators (successfully). It was agreed that Cottam, Longenecker and Archbald would meet with Mr. Hamann, of Protection & Security to work out a system for achieving the maximum protection with a minimum number of signs.

Cottam presented a request from the University Department of Buildings & Grounds to stockpile topsoil in an area at the base of Picnic Point. Approved.

Cottam presented a request for approval of a research project, to be under his direction, in the Noe Woods for the purpose of studying the decomposition of litter by earthworms. This would involve some excavation of the soil. Approved.

Cottam reported on the trip he and Archbald made to the University of Illinois to attend a symposium on college-owned natural areas. He stated that the results of a survey made by the Nature Conservancy indicate that the University of Wisconsin is at or near the top in most categories of use, accessibility, etc., when compared with other college-owned areas.

Archbald gave a brief summary of his activities to date as Managing Director. He pointed out that so far a large part of his effort has of necessity been devoted to maintenance of day-to-day operations. He feels, however, that things are now well under control, with our new foreman, Moran, increasingly able to assume responsibility for routine matters, so that his (Archbald's) time can henceforth be primarily devoted to the execution of policy and planning.

Hasler requested information as to the present status of the Eagle Heights woods area, as regards care and maintenance. No such information was available, but it was not thought to be an Arboretum responsibility.

Dicke stated that the groups of insect collectors which he had proposed to organize and to allow, under appropriate restrictions, to collect in the Arboretum, had not yet been formed, but probably would be with the opening of schools in the fall.

Gallistel stated that certain property owners in the subdivision which abuts on the Arboretum along the Lake Wingra shore wish to deed over to the Arboretum a short strip of shore which they own, with the understanding that they would continue to have privileged use of it. It was unanimously agreed that we could not accept gifts of land under such restrictive conditions.

H. C. Greene, Secretary

Arboretum Committee Meeting

Minutes

September 18, 1962

Present: Archbald, Cottam, Greene, Hasler, Longenecker, McCabe, J. A. Curtis

Cottam requested that Committee members indicate the most convenient time for our meetings and it was decided that Mondays at 8:30 A.M. would be the most suitable.

Cottam stated that the date of October 14 had been set for dedication of the Curtis Prairie and there was some discussion concerning arrangements and invitations.

It was agreed, after considerable discussion, that there would be an organizational meeting of the Friends of the Arboretum, following the dedication ceremonies.

Cottam presented two research projects for approval: 1) T. Bramschreiber wants to make installations, involving some small excavations, for the study of earthworm action in the maple woods area along the Beltline Highway, and, 2) Prof. Orie Loucks of the Botany Department, in connection with a productivity study, wants to cut a jack pine and essentially dissect same, and perhaps one red pine, and also wants to clip some 40 shrubby quadrats in the jack pine area. The projects were approved.

Cottam stated that it appears that only three lots remain to be acquired in the Lost City area, but that these may present difficulties.

Cottam discussed briefly the cost of obtaining a proposed contour map of the Arboretum.

Archbald brought up the matter of the film from the Kalamazoo Arboretum on which he hopes to model a similar film for our Arboretum. It was agreed that we will view this, probably at the next Committee meeting.

Archbald stated that he thought it would be desirable to remove the tank from the old water tower at the Arboretum headquarters and then raise the height, if possible, to convert the structure into an observatory and fire tower.

H. C. Greene, Secretary

1962

THE UNIVERSITY OF WISCONSIN ARBORETUM

STATEMENT OF POLICY FOR THE ARBORETUM

This statement of policy is intended as a set of general rules, and is written primarily to establish responsibility and provide everyone concerned with a knowledge of usual procedures. It is expected that the work of the Arboretum Committee and its individual members will be carried on much as it has been in prior years, with a spirit of general cooperation and informality.

- 1. General policy to be determined by the Arboretum Committee. This includes:

- Changes or extensions of the master plan.
Decisions pertaining to public relations.
Allocation of hours to the various work categories. At present these are: Research, General, Horticultural and Ecological.
Purchases of major items of capital equipment.
Personnel changes, including raises in salary and additions to the crew.
Approval of research projects, buildings, etc.

- 2. The Chairman of the Arboretum Committee (Cottam) will call and preside over all meetings of the Arboretum Committee. He will staff and maintain the Arboretum Office, sign payrolls and requisitions, prepare the budget, and handle all other matters pertaining to Arboretum finances. He, or a representative appointed by him, will represent the Arboretum Committee in its relationships with the University administration, and will maintain liaison between the Arboretum Committee and other University organizations whose actions may be related to research in the Arboretum and the functioning of the Arboretum Committee, and with the public.

- 3. The Executive Director (Longenecker) is responsible for all matters pertaining to the general layout of the Arboretum, including location and integration of the various communities, planning of roadside plantings, location of trails and fire lanes, and in general everything related to maintaining the Arboretum as an esthetically pleasing establishment. He will also represent the Arboretum through membership in and at meetings of Arboretum Societies.

- 4. The Managing Director of the Arboretum (Archbald) is to be an ex officio member of the Arboretum Committee. He is to be directly responsible to the Arboretum Committee for the carrying out of general policy. A report of hours spent and work in progress and planned is to be presented by him at the monthly meetings of the Arboretum Committee. Non-controversial matters and minor matters requiring immediate attention are to be settled between the Managing Director, the Executive Director, and the Chairman of the Arboretum Committee, with ex post facto discussion and recommendations by the Committee at its next scheduled meeting. Major matters requiring immediate attention are to be decided at special Committee meetings.

- 5. Technical direction at the non-general-policy level is to be performed by the member or members of the Committee most qualified or concerned.

It is recognized that certain areas of Arboretum activity require technical competence that can be provided by only a single member of the Committee. This is true of the Horticultural plantings, as a specially important area, but is just as true of the ponds, the plant communities, and the animal communities. The degree of technical direction required will depend somewhat on the competence of the Managing Director in the field concerned. As long as Archbald is Managing Director, the plant communities should require little technical direction but the Horticultural areas will probably require a great deal. It is expected that the Committee member concerned will make available to the Managing Director the scope of the projects being conducted and the technical advice necessary to carry them out. Within the limits set by the Arboretum Committee in its general policy decisions, the Managing Director will carry out the decisions of the Committee members relating to their particular area of competence. Cases of conflict, as for instance the establishment of priorities for the use of labor during a particular period, are to be resolved by use of the procedures in paragraph 4 above. Essentially this paragraph means that the following Committee members will be in charge of the following areas of interest at the Arboretum:

Horticulture	- - - -	Longenecker
Plant Communities	- - - -	Cottam, Greene
Ponds, Fish, etc.	- - - -	Hasler
Wildlife	- - - -	McCabe
Vertebrate Fauna	- - - -	Hasler, McCabe
Invertebrates	- - - -	Dicke

6. It is understood that any Committee member is encouraged to bring any matter to the attention of the Committee at any time, whether these matters be of major policy, technical matters, or any others; and whether they be related to the particular member's area of professional competence or not. It is also understood that, except for the technical direction mentioned in paragraph 5 above, actual direction of the Arboretum programs will be through the channels outlined in paragraphs 1-4, with the Managing Director expected to direct the labor force, and schedule specific tasks at his discretion.

7. The specific duties of the Managing Director are as follows:

- Direct the activities of the labor crew (through the foreman).
- Carry out the directives of the Committee pertaining to policy, with the specific details of the work to be left to his discretion.
- Research Coordinator.
- Editor of the Arboretum News.
- Advise the Committee on changes in plans and policies.
- Public relations, for example, work with the Friends of the Arboretum.

Grant Cottam, Chairman

September, 1962

Arboretum Committee Meeting Minutes

November 5, 1962

Present: Archbald, Cottam, Dicke, Greene, Hasler, Longenecker, McCabe, Mrs. Curtis.
Guests: Profs. Salamun and Throne from the Botany Dept. of the University of Wisconsin-Milwaukee. Prof. W. J. Meives of the U. W. Photo Lab was also present in connection with the showing of the film borrowed from the Kalamazoo, Michigan Nature Center.

Cottam stated that there are currently 162 members of the Friends of the Arboretum and that \$2611 has been raised so far.

Cottam announced that Mrs. Virginia (Mrs. Russell) Dymond of Madison has donated \$610 to the Arboretum in memory of her husband.

Cottam presented a research proposal from Bernhard Lettau, of the Meteorology Dept., who wishes to conduct certain environmental measurements in the East Marsh area. Approved.

Cottam stated that it has been judged feasible to convert the old water tower at the Headquarters into a watch tower, but that no cost estimate has been received as yet. The old privy building in the Wingra Woods will be removed this winter.

Cottam stated that the fire extinguishers now on loan from Buildings and Grounds will soon be replaced with our own set.

There was considerable discussion about a town of Madison proposal to set up a park on land they claim they own between Carver Street and the lagoon which runs parallel to it. It was decided that we would permit access to the lagoon for ice skating and fishing, but would take no other action until ownership is definitely established.

Mr. A. R. Pahl, who owns approximately 8 acres adjacent to the Arboretum Lost City property, states that he has decided to sell this property and has offered the Arboretum first chance at it for the sum of \$50,000. It was agreed that we could not consider meeting this price and Mr. Pahl will be so informed.

Approval was given for a Taxonomic Woody Plants Garden, about 8 acres in extent, at the intersection of Carver Street and the Fish Hatchery Road.

There was a discussion about the method of handling the locking of the parking lot gates. The University police will lock them at night and the Arboretum foreman will open them when he comes to work in the morning. It was felt that this would probably not be early enough for some ornithological groups and there thus results a problem of providing parking for them. It was decided that such groups should be alerted to the situation and that arrangements could probably be made for selected individuals to obtain keys upon payment of an adequate deposit.

It was agreed that the Arboretum should erect no signs in acknowledgement of support of garden clubs and/or other groups, as once started there would be no end to this sort of thing.

It was agreed that an issue of the Arboretum News, printed on higher quality paper than usual, will be devoted to the dedication of the Curtis Prairie, with reprints of the speeches and appropriate photographs. Hasler suggested that it would be desirable to get some notice of this in ECOLOGY so that we might get distribution to a much wider audience.

Hasler stated that he thought it would be desirable for the Arboretum to encourage the Wisconsin Highway Department to develop prairie plantings along some of the very wide rights-of-way adjacent to the new throughways. Archbald was requested to investigate the possibility of doing this.

Longenecker obtained the Committee's approval for the development of a Campus Nursery in the Picnic Point area. This would be devoted to growing sizeable replacements for the campus elms which will probably be lost in the next decade or two, from age and from Dutch elm disease.

The Committee felt there would be no objection to a proposal by Prof. Dicke to have an Entomology Department picnic, without any accompanying activities such as ball games, in the Arboretum, probably on the lawn in the Horticultural area. The primary purpose of the gathering would be to familiarize department members with the Arboretum through tours following the picnic.

There was then shown a color movie borrowed from the Kalamazoo Nature Center to demonstrate the sort of thing we might be able to do in developing a film to tell the story of the Arboretum, as part of our general program to stimulate public interest in the Arboretum. It was agreed that such a film, modified in emphasis, would be highly desirable. All this will be dependent upon our being able to obtain the necessary funds to produce it.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

November 12, 1962

Present: Archbald, Cottam, Gallistel, Greene, Hasler, Longenecker, McCabe, Mrs. Curtis. Guests attending: Univ. Vice President, A. W. Peterson and Mr. C. J. Stathas, his legal assistant.

Cottam brought up the matter of the Park and skating rink currently being established by the Town of Madison between Carver Street and the lagoon (opposite Frazer Place) on Arboretum property. It appears that the title is vested in the State and not the Town, but in place of active contention about this matter we are willing to lease the land in question, for a nominal consideration and on an annual basis, to the Town for park purposes, subject to reasonable restrictions to be determined by the Arboretum Committee.

Vice President Peterson discussed the alternatives of purchase vs. condemnation for acquisition of the few remaining lots in the Lost City area not yet in our control. After considerable discussion it was agreed that purchase would be much the preferable method, from both cost and public relations standpoints, and thus further attempts to purchase these lots will be made immediately.

Vice President Peterson called to our attention the fact that residents in the Arbor Drive vicinity are complaining about the growth of algal scum in Ho-Nee-Um Pond. This is a problem which we have had to deal with before. Hasler suggested that an effective method to deal with this would be to cut the aquatic weeds, with which the pond is filled and which impede the circulation of water permitting the build-up of stagnant algal growth, once or twice a summer. He stated that the City has equipment which could do this job effectively and that we might prevail upon them to do so.

There was considerable discussion about the limits of responsibility and roles of various University committees and agencies in the care and maintenance of such campus and near-campus areas as Bascom Woods, the old orchard area between Observatory Drive and the dormitories, Eagle Heights Woods, and Picnic Point. The feeling was that these areas should be under definitely assigned jurisdictions and further that specific budgetary provision should be made for their care.

H. C. Greene, Secretary.

Arboretum Committee Meeting

January 7, 1963.

Present:- Archbald, Cottam, Dicke, Gallistel, Greene, Hasler, Longenecker, McCabe, Mrs. Curtis.

The Arboretum Status Report No. 3, prepared by Archbald, was used by Cottam to supplement his remarks about money currently available - approximately \$6500 - for purchase of capital equipment. The items to be purchased this spring are listed in the report.

There was considerable discussion about the necessity for improved communications within the Arboretum and also between the Arboretum and fire-fighting and police agencies. Several alternatives were discussed and are outlined in the status report.

Cottam stated that he has had no satisfaction from the Town of Madison in the matter of determination of ownership of the land off Carver St. which they are now using as a park. They have, however, assumed public liability for any accidents which may occur thereupon.

Cottam appointed a subcommittee for the planning and design of the new Taxonomic Garden at Carver St. and Fish Hatchery Road. The ^{SUB-}committee includes Archbald, Cottam and Longenecker of the Arboretum Committee, and additionally Prof. J. W. Thomson of the Botany Dept. will be asked to serve on it.

McCabe protested the extension of the Taxonomic Garden into the marsh toward the east, stating that it conflicted with his rabbit project and that he had not understood that this was contemplated when the project was originally discussed.

Cottam stated that while the local Audobon Society members had originally protested the closing of the parking lots at any time, they have since modified their stand and it appears we will be able to work out an amicable arrangement with them.

The perennial problem of what to do about He-Nee-Um pond has come up again. Due to the fact that Prof. Hasler, our principal authority in such matters, was called away early from the meeting, discussion of this matter was deferred.

Cottam stated that at the time of the meeting we had 204 members in the Friends of the Arboretum and something over \$3000 in its treasury.

Longenecker reported that he had talked to various garden clubs and other organizations about the Friends of the Arboretum, and other Arboretum matters.

H. C. Greene, Secretary,

Arboretum Committee Meeting Minutes

February 4, 1963

Present: Archbald, Cottam, Dicke, Greene, Hasler, Longenecker, Mrs. Curtis.

Cottam presented a letter from the former Mrs. Charles E. Brown whose late husband was Curator of the State Historical Society. Mrs. Brown suggested that it would be appropriate to name the Ho-Nee-Um area after Mr. Brown (on our new map) as he had been concerned with naming it in the first place. The position of the Committee is that we are justified in naming areas after people only when they have made large and continuing contributions and services to the Arboretum, as in the case of Gallistel Woods and the Curtis Prairie.

Cottam gave a brief report on the membership status (214) and the financial condition of the Friends of the Arboretum. At this time assets are \$3761, of which \$3314 has been transferred to the Arboretum Trust Fund, freely available for our purposes. We agreed that we would advise the Friends prior to any disposition of these funds. Various gift funds are also available for spending at this time and should be used.

Cottam stated that Mrs. Curtis had given him a budget figure of \$110 for the Friends of the Arboretum for the calendar year January 1, 1963 to January 1, 1964. Longenecker moved that we make \$125 available (from the Arb. Trust Fund). Passed.

Cottam stated that, thanks in large part to assistance from the Friends of the Arboretum, we are now in a position to finally clean up the last three lots still outstanding in the Lost City area. The Larson lot can be had for \$500 and closing costs, the two Zerwick lots for \$750 net to the seller. When this has been done, the University will be asked to request the Town of Madison to vacate the streets, thus enabling us to gain full control of the area.

It was agreed that the Arboretum Committee and the Board of the Friends of the Arboretum should exchange minutes of their meetings and that the Arboretum Status Reports should also be furnished to the Friends.

There was considerable discussion as to the advisability of establishing summer living quarters at the Finnerud Forest (for research students) near Minoqua in accordance with the plan submitted by Archbald in Status Report No. 4. Dicke moved, and it was approved, that we go as far as we can at this time with the aim to developing facilities at the Finnerud Forest. As a preliminary step, Cottam and Archbald will ascertain the attitude of the University administration in the matter.

In the case of the Ho-Nee-Um pond problem (growth of objectionable algal scum and attendant odor problem) it was suggested that the dams on the lake side be removed to permit somewhat freer circulation of water and also to allow entrance of the City of Madison aquatic weed cutter. It was also suggested it might be helpful to deepen the present pond by dredging.

Hasler feels that there are great opportunities for prairie demonstration areas along the right-of-way of the new Interstate Highway section between Madison and Janesville and that the Arboretum Committee should attempt to promote this. It was agreed that Mr. Warren Schmitz of the Highway Department be asked to attend an Arboretum Committee meeting so that this matter may be discussed.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes
(Held jointly with Wooded Areas Committee)

February 21, 1963

Present: Archbald, Cottam, Dicke, Gallistel, Greene, Hasler, L. Jakobson, Longenecker, A. W. Peterson, G. S. Pound, Mrs. Curtis.

Cottam presented a series of "Proposals" for the Wooded Areas Committee, in response to a memorandum from Vice President Peterson concerning the assignment of responsibilities to certain committees and departments dealing with the physical plant of the University.

After a rather extended discussion the Wooded Areas Committee approved the assignment of the following areas to the control of the Arboretum Committee: Bascom Woods, University Bay, parts of Picnic Point, Eagle Heights Woods, and the woods on the shoulder of Second Point--to be clearly defined on a map.

Dicke moved, and it was seconded, that the Arboretum Committee accept responsibility for the areas mentioned, provided they are assigned to the Arboretum Committee by the University administration and that appropriate budgets for their maintenance are made available to us. Passed.

Archbald distributed a memorandum, with map, to Arboretum Committee members on the subject of "nature notes" for our trail system and requested cooperation of committee members in the preparation of these notes.

H. C. Greene, Secretary
Arboretum Committee

Arboretum Committee Meeting Minutes

March 11, 1963

Present: Archbald, Cottam, Gallistel, Greene, Hasler, Longenecker, Mrs. Curtis.

Cottam stated, in reference to the proposal that an Arboretum area be named after Mr. Charles E. Brown, former Curator of the Wisconsin State Historical Society and well-known archaeologist, that it seemed to him it would be appropriate to so designate the fine Indian Mounds at the entrance to the Wingra Woods. He stated that a study of early Arboretum records had shown that Mr. Brown was indeed exceedingly active in the organization of the Arboretum and does merit our recognition. It was agreed that this will be done and the Mounds henceforth known as the Charles E. Brown Indian Mounds.

Cottam read a research proposal from Donald T. Lester, Assistant Professor of Forestry at the University of Wisconsin. This will involve removing considerable numbers of buds from certain red pines near the Beltline in the Grady Tract. This was tentatively approved with the understanding that details will have to be worked out to avoid any unnecessary damage and to firmly locate the area which will be used.

Cottam stated that the last three outstanding "Lost City" lots have finally been acquired and that it is proposed to accept the three lots still privately owned on the south shore of Lake Wingra. These lots are in a block and are adjacent to the east end of the private housing development in that area. Their acquisition would give us full control of the lake shore on the south side. We would have to pay approximately \$250 in back taxes and closing costs.

There was considerable discussion of the proposal that the Arboretum take over and supervise several campus wooded areas as outlined in the minutes of the meeting of February 21, 1963. Cottam had prepared a map which he presented and which was approved with one or two changes.

Archbald gave a progress report and stated that the photo-grid research map is now being printed and should be ready April 1st. The map prepared by Professor Wilde, and modified slightly by Professor Longenecker to bring it up to date on placement of the trails, is now ready for printing and will be very attractive if the reproduction approaches the original in quality. Archbald indicated that the trail guides on which he has been working, along with F. Glenn Goff, Arboretum Botanist, will be ready by spring (May).

Longenecker presented a series of designs, for the proposed Arboretum Headquarters and Research Area, prepared by a group of his advanced students, as a class project. These were most interesting, showing considerable ingenuity and originality, and should be helpful to us when the time comes that we are able to go ahead with our program.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

May 6, 1963

Present: Archbald, Cottam, Dicke, Gallistel, Greene, Hasler, Longenecker, McCabe, Mrs. Curtis.

Cottam presented three research project requests from McCabe, Wm. Sieker, and F. D. Hole respectively: 1) Has to do with trapping foxes in a continuation of this study, 2) continuation of use of black-light trap for insects, and 3) use of neutron counter for soil moisture determination. This calls for use of pipes driven vertically into soil and Prof. Hole has indicated he is willing to make a general survey of the Curtis Prairie for us by this means, if we wish. These requests were approved.

The matter of naming the Mills Street and Fish Hatchery Road entrances to the Arboretum has been deferred. The large white oak at the west end of the Curtis Prairie will henceforth be known as the Jackson Memorial Oak, in honor of Mr. J. W. Jackson for his many services to the Arboretum.

There was a discussion as to disposal of surplus nursery stock, of which we have some on hand at present. It was agreed that it should be made available to other agencies of the University which may have a University use for it, but that for the present none should be given away or sold to the public.

Archbald requested permission to remove several sizable box elders south of the Laboratory building and across the firelane from the headquarters nursery. There was some dissent as to this, but it was approved by a majority of the Committee.

The matter of extension of the old CCC camp water tower and its conversion into a watch tower was brought up again. Nothing has been done on this so far, but the feeling of the Committee was that we should obtain an estimate as to cost, and go ahead with the project if it appears feasible cost-wise.

Hasler requested that the Arboretum Committee re-examine the ever-present problem of Bascom Woods. He stated that erosion is becoming very serious and suggested that some fences should probably be erected to channel pedestrian traffic.

Cottam stated that the Wisconsin Chapter of the Nature Conservancy is in the process of acquiring Lodde's Mill Bluff, a natural area southwest of Sauk City and not far from the well-known Ferry Bluff. It appears that this will be offered to the Arboretum for management purposes and Cottam requested the views of the Committee members as to the practical feasibility of our doing so, taking into account our limited resources and other similar commitments. It seems there is a possibility that the Ferry Bluff area may be acquired for a state park and, if so, Lodde's Mill Bluff might be attached to it for administrative purposes. However, after much discussion of the pros and cons, it was finally moved, seconded and passed that we do accept Lodde's Mill Bluff, if and when offered to us.

Cottam discussed the budget briefly. It seems that there may be sufficient funds on hand to purchase a dump truck needed for various purposes. Archbald is to investigate to see whether a suitable truck can be obtained.

Cottam stated that he felt that F. Glenn Goff, new Arboretum Botanist, would be a good and well-qualified candidate for the position of Ranger Naturalist, now in our budget request. The name of Ben Wagner, former student in ecology here, was also suggested for this position. No decision was reached, but Cottam will look further into the matter and report to the Committee on it.

McCabe stated that the work in progress on a parking lot for the new taxonomic garden had disturbed the nesting ground of one of the woodcocks he had been following. He pointed out that he had not been aware that this area was to be disturbed, and stated that this was one of a long list of disturbances that had affected his research.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

September 23, 1963

Present: Archbald, Cottam, Dicke, Gallistel, Greene, Longenecker, Reeder, Mrs. Curtis.

Dicke moved approval of the following list of research proposals. This was seconded and passed.

- W. F. Millington (Marquette University) -- Parthenocissus
- L. R. Fritts (Emlen) NSF HS RPP -- Drosophila
- R. F. Evert -- phloem studies in several woody species
- S. A. Wilde -- soil moisture studies
- M. P. Backus -- parasitic fungus on Desmodium
- A. D. Hasler -- Vitamin B₁ effect of phytoplankton when added to pond water
- C. B. Tanner -- quality of light under various canopies of plant cover
- D. B. Norris -- red pine insects
- O. L. Loucks -- understory plantings in Leopold Pines
- O. L. Loucks -- forest variability in Arboretum

Cottam stated that the Meteorology Dept. wants to install two towers in an area on Picnic Point in which they have been working and that he saw no objection to this. Approved.

Cottam requested Committee approval for purchase at overall cost of \$380 of an air conditioner for the Arboretum Office, Room 329 Birge Hall. Longenecker moved approval, which was granted.

Cottam stated that Vice President Peterson has requested the Committee to look further into the problem of algal growth in Ho-Nee-Um Pond. Among various suggestions for improving the situation it was felt that planting lotus (Nelumbo aquatica) might offer a satisfactory solution, as this would tend to be exclusive and cover the entire surface in time. It was also decided to remove any obstructions there may be to the free flow of water back and forth. Archbald was requested to carry out the lotus planting program.

Cottam stated that no budget increases for the Arboretum, except certain selective salary increases, had been approved. He is in favor of spending such capital equipment funds as are available for certain low maintenance or no-maintenance laboratory equipment, such as a good low-power binocular scope and a simple calculating machine, plus certain other items if funds permit. He feels, and it was the concensus of the Committee, that we are quite well equipped with outdoor maintenance machinery and cannot afford more at this time, not only because of the high initial cost, but even more because of usually very high and recurring maintenance costs.

As of the date of this meeting, Cottam reported that the Friends of the Arboretum had a membership of 293 and that a total of \$5,279. had been taken in from dues and two gifts of \$500 and \$620.

Cottam stated that the "parks" in the Lost City area are claimed by the Town of Madison. He stated that Vice President Peterson feels that any further action in regard to vacating the streets in the Lost City should wait until legislation defining the situation in regard to claimed back taxes is passed.

Cottam stated that Mr. and Mrs. Michael Parker are the new occupants of the trailer at the Arboretum Headquarters. Mr. Parker is a graduate student in limnology.

Archbald presented his Arboretum Status Report No. 5. In this connection the earth-balling machine mentioned therein has been rented for a two-month period this fall, so that we may determine how well it fits into our operation. Archbald feels it will be a great labor and time saver.

Reeder suggested that maintenance money from certain research funds might be made available to the Arboretum as a help in the case of some of the individual projects carried out on the area.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

November 4, 1963

Present: Ahearn, Archbald, Cottam, Gallistel, McCabe, Reeder, Mrs. Curtis.

Cottam presented a research request from Prof. Donald Lester of Forest Genetics for use of Juniperus virginiana material from trees on Picnic Point. Approved.

Cottam read a letter from the Reams expressing appreciation for the privilege of living in the Arboretum during the time that they were tenants of the trailer.

Cottam stated that shooting for the Arboretum movie is just about finished and that a black-and-white print will be available in the near future for viewing by the Committee.

Cottam discussed the status of the Arboretum News, pointing out the difficulty in keeping it going, together with the fact that in the past there has perhaps been an imbalance in favor of botanical subjects, since the principal and frequently the only contributors have been botanists. It is hoped that more contributions can be obtained from other sources in the future.

There was considerable discussion about the proposed supervisor's residence, now well up on the priority list, and where it should be built. Ahearn recommended that we push the matter in order to safeguard our interests, in view of strong competition for available funds.

Cottam stated that the Friends of the Arboretum will publish Mrs. Sachse's History of the Arboretum.

Problems of traffic on Arboretum Drive were discussed.]

There was some discussion of methods of maintenance of Bascom Woods-- especially the matter of how much "cleaning-up" is permissible from the biologists' point of view and requirements.

Cottam mentioned some aspects of plant community development in the Arboretum. He wonders whether we might attempt to re-establish an oak woods in the Lost City, an area now overrun with Honeysuckle. Cliff community in Wingra Woods old quarry.

Ahearn brought up the matter of the unsatisfactory and unsanitary toilet facilities on Picnic Point. He reported that new toilets were on two priority lists, a list of minor construction and a list of campus beautification projects. It was agreed that we attempt to keep the project on both lists until it is committed on one of them.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

December 4, 1963

Present: Ahearn, Archbald, Cottam, Greene, Longenecker, Reeder, Mrs. Curtis.

Cottam presented a research request from Prof. Skoog of Botany. This involves removal of tissue from certain conifers (Norway spruce now being used). Approved.

McCabe submitted a request that there be a trapping program on rabbits this winter. Agreed to.

Archbald feels we should look into the possibility of various phases of cooperation on the Arboretum with other Big Ten universities and the University of Chicago (Committee for Institutional Cooperation).

Cottam indicated that the research and public relations aspects of the Arboretum are separate and will have to stand on their own, especially as to funds for proposed buildings.

There was extensive discussion of our proposed building program, including the Laboratory Building, and an Assembly or public headquarters building (which might be combined with the laboratory) and the Supervisor's residence. Longenecker presented various landscape architectural drawings of possible headquarters set-ups. The one most favored for the time being locates the residence much west and slightly south of the present location of the trailer, not far from the intersection of the road into Headquarters with McCaffrey Drive. Cottam will make a presentation of this to the next meeting of the Campus Planning Committee.

Cottam pointed out that while our capital equipment budget is now only \$2450 annually we have been fortunate enough to have been granted extra funds for various vital purposes. Among present needs are work at the Finnerud property, an adequate water pump for the main pumphouse, and other items. It appears that our current unexpended funds are insufficient for all these purposes. Ahearn suggested some alternatives toward the solution of our always urgent capital equipment problems.

Ahearn pointed out that there will in all probability be a swimming beach established on the north side of Picnic Point in another year and that this will bring with it many problems of a supervisory, management and sanitary nature. Cottam stated that he felt the situation will not lend itself to effective control by the Arboretum and he felt that management of most of the area should reside elsewhere, with the reservation that certain areas of biological value should be preserved at all costs.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

January 8, 1964

Present: Ahearn, Archbald, Cottam, Dicke, Greene, Reeder

Archbald discussed the cost of the metal retaining sleeves that he designed to be placed around machine-dug earthballs to prevent their falling apart while being transported from the nursery to the planting site. It seems possible that a lower price than the first figure of \$13.00 can be obtained, and he expects to have details on this soon.

Cottam reported that the residence so badly needed for the Arboretum is not a "line" item, but that it may possibly be run in as an item on some larger construction.

Cottam named a subcommittee for Arboretum construction planning to consist of Ahearn, Longenecker and Cottam.

Cottam stated that, in behalf of the Arboretum Committee, he would draft a letter of sympathy to Mrs. A. F. Gallistel concerning the passing of Mr. Gallistel, our friend and long-time Committee chairman.

Ahearn made an interim report on the status of the desired new pump and the watchtower project. He said the Physical Plant would bear the cost of the pump and its installation.

Archbald's memo to the Committee, dealing mainly with public relations and public use of the Arboretum, was discussed, but no action was taken at this time.

Cottam brought up and discussed at some length a research proposal by Prof. O. L. Loucks of the Botany Department for a large-scale "water budget" study of native plant communities to be carried out in the Arboretum. This would be carried on over a period of years, provided a suitable grant can be obtained to purchase the necessary and rather expensive instrumentation equipment and to pay for research help needed. Cottam noted that at the end of the grant period, estimated to be five years, the Arboretum would be expected to bear the cost of maintaining the equipment and analyzing the data. This cost would be about \$400 per year at present rates. The project was approved.

H. C. Greene, Secretary.

Arboretum Committee Meeting

March 4, 1964

Present: Archbald, Ahearn, Cottam, Dicke, Greene, Hasler, Longenecker, Mrs. Curtis.

Cottam presented a project by Archbald for research on planting techniques for nursery stock. Approved by Committee.

Cottam stated that the headquarters and research building which we hope to obtain to replace our present inadequate facilities have been recognized as an integral part of the University building program, but that this still will not eliminate the necessity for obtaining a substantial portion of the funds required from non-University sources.

Cottam stated that the University of Wisconsin--Milwaukee had been successful in raising funds to finance its proposed Arboretum adjacent to the Cedarburg Bog. He mentioned a tract of land in Kenosha Co. which a donor wishes to turn over to the University and which it seems might be suitable for the use of the University Kenosha Center. Also discussed were the following Natural areas, now under or projected to be under the direct control of the U. W. Arboretum Committee: Abraham's Woods near Albany, Green Co.; Oliver Prairie in the same area; Lodde's Mill Bluff in the Wisconsin River Valley west of Sauk City in Sauk Co.; and the current as yet incomplete Baraboo Hills project, which includes lands between the villages of Leland and Denzer, adjacent to the property of the Wisconsin Society for Ornithology along Honey Creek to the north and west and to the Leopold Memorial Tract in Sect. 1, Town of Honey Creek to the south and east.

It was decided that we will permit parking along one side of "Capitol Ave." in the stretch running south from the curve at the blackbird marsh towards Carver St.

It was decided to remove the fence along the south side of the Horticultural Area from McCaffrey Drive to the public parking lot at the Headquarters area.

It was decided to install "people gaps" at 1) in the fence in the Gallistel Woods at the sharp curve in the drive east of the Wingra Woods parking area, 2) in the fence in the Noe Woods adjacent to the birch plantings a couple of hundred yards east of the Nakoma Entrance, and 3) at the entries to the underpass beneath the Beltline Highway from the Leopold Pines.

Cottam stated that we now have only slightly more than \$500 in our capital equipment fund which will not cover the capital items currently needed by the Arboretum. It was agreed that we should try to get some additional funds. The capital items needed were outlined in Archbald's "Arboretum Status Report" No. 7, which was distributed to Committee members in advance of the meeting.

Cottam mentioned that the Arboretum is getting a new electric typewriter for the Arboretum Office in Birge Hall and that the machine currently in that office will be transferred to the Horticulture Dept. office for use by Longenecker in his capacity as Arboretum Executive Director.

Hasler suggested that Cottam, on behalf of the Arboretum Committee and the Wooded Areas Committee, draw up a resolution to be sent to Pres. Harrington, regarding the lack of regard on the part of both students and faculty for lawn areas

on campus, suggesting that perhaps the student body could start an educational campaign, through the dormitories, fraternities, sororities and student groups, to instill some respect for the appearance of their campus.

Longenecker stated that he wished to see a band of evergreens, perhaps white cedars, planted along the Beltline boundary of the Arboretum on the north side of the road for moisture-retaining and noise-deadening purposes and it was agreed that this should be done.

There was considerable discussion as to whether the Arboretum Committee should seek to relinquish its control of the Picnic Point area in view of current and projected developments in the area which would probably be incompatible with our purposes and capacities. No definite conclusions were reached, but it was felt there are certain plant communities for which we should seek protection, no matter what the final status of Picnic Point.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

May 6, 1964

Present: Archbald, Cottam, Greene, Hasler, Longenecker, Mrs. Curtis

Cottam briefly presented some research proposals: 1) E. W. Hanson, Dept. of Plant Pathology desires to study overwintering of powdery mildew on red clover - will use area just south of Gallistel Woods and to north of the nearby fire lane; 2) J. Emlen, Dept. of Zoology, wants to extend a project involving netting birds with "mist" nets; and 3) H. W. Mossman, Medical School, desires to trap shrews in the swampy area adjacent to the Fish Hatchery Road.

Hasler suggested that J. H. Zimmerman be requested to prepare, for the Arboretum News, an article on the phenology of plants in the Arboretum.

Cottam stated that the Arboretum Committee is now free of further responsibility for administrative decisions affecting Picnic Point and after July 1st will have no further financial responsibility. He has indicated however that we still maintain an interest in the welfare of the woods on Second Point and in the University Bay area.

Cottam stated that the University of Wisconsin-Milwaukee Arboretum is now a reality and read excerpts from a letter from Prof. Throne of the UW-M with proposals for administration, including the suggestion that the Chairmen of the two arboreta act in liason in matters of mutual concern. Cottam thinks that as of now we should begin exchanging Committee minutes with the UW-M Committee and this will be done.

Archbald states that work on the Arboretum movie is progressing and that it should be in final form sometime in June.

The Gallistel Woods Trail Guide has been completely revised (and much improved, we think) and is due from the printer next week.

It was announced that the Friends of the Arboretum Spring Meeting will be held at 5 p.m., Thursday, May 28, at the Arboretum Headquarters and that, following a meal, there will be guided tours through the Grady Tract Prairie.

Cottam discussed the current status of the budget. There is very little left in the Capital Equipment Fund, but it appears there will be sufficient to purchase two needed items, a brush cutter and an exhaust fan for the woodworking shop. It was suggested that on the supplies fund we stockpile some fencing which will be needed as soon as Abraham's Woods is formally turned over to us.

There was some discussion as to whether we should proceed to fix up living quarters at the Finnerud Forest garage by bringing in electricity and renovating well. No decision was reached.

Archbald reported on activities of the Arboretum Work Crew so far this spring. Up to now most effort has been centered in getting some of the larger and more sensitive planting stock transplanted into the new Taxonomic Garden.

It was pointed out that Mrs. Nancy Sachse's History of the Arboretum is now finished and that the remaining question is who will publish it. This is being done by the Friends of the Arboretum.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

June 3, 1964

Present: Ahearn, Archbald, Cottam, Dicke, Greene, Longenecker, McCabe, Mrs. Curtis

Cottam stated that the matter of providing public toilet facilities in the headquarters area is now urgent due to greatly increased, and increasing, public use of the Arboretum. The completion and showing throughout the state of the Arboretum film is expected to bring many more groups to the Arboretum, further adding to the pressure. Cottam designated Archbald and Longenecker to determine a convenient and suitable spot for this facility.

Cottam sought the opinion of the Committee as to the proper use of the garage on the Finnerud Forest property. He does not favor converting it to a residence. Electricity and water will be required if the structure is to have even minimum use as a laboratory. Longenecker moved, and it was seconded and approved, that we take steps to provide these utilities.

Prof. Hole of the Soils Dept. requested permission to install a barbed-wire fence around his study plots on the Curtis Prairie adjacent to the Leopold Pines. Longenecker expressed opposition to this. Greene suggested that the unauthorized path impinging on the plots be shifted away somewhat and maintained as a regular path in the hope that the public would use it. Archbald reported that a low fence had already been erected.

Cottam submitted a research proposal for a study of the autecology of the wild black cherry (Prunus serotina), to be carried on in the Arboretum and other University areas, including Second Point and the Eagle Heights woods. Approved.

Cottam stated that a donor has offered the University of Wisconsin 200 acres of land at the headwaters of the Desplaines River in Kenosha Co., 10 miles due west of the city of Kenosha. Professor Whitford of the University of Wisconsin-Milwaukee Botany Dept. has inspected the area. He states that it is scarcely a prime natural area, but that it has good features including considerable marshland and that it appears capable of development. He recommends its acceptance if it can be had without money cost and suggests that it be placed under the control of the botanists at the Kenosha Center. Prof. James Olson of the Kenosha Center has agreed to accept responsibility for the area.

Cottam stated that Glenn Goff in his master's thesis suggests that an oak opening be established in the Noe Woods, in the northeast portion from which the honeysuckle was removed a couple of years ago. It was the feeling of a majority of the Committee members, however, that the place be left as it is, but with continued attention to removal of honeysuckle.

Cottam discussed budgetary matters and what to do with certain small funds remaining from the past biennium. In the next biennial budget, due at the end of June, it was decided that we will again apply for a salary for a ranger-naturalist, even more urgently needed than during the past biennium and that we will also apply for another permanent laborer.

Dicke desires an item in the budget for a publication fund to allow publication of appropriate research material under Arboretum auspices, in cases where such material is worthwhile, but too voluminous to admit of publication in the overcrowded pages of national scientific journals, or even of regional journals, such as the Transactions of the Wisconsin Academy. It was pointed out that some years ago there was provision made for a series designated as Arboretum Occasional Papers to provide for such publication. Dicke agreed to submit a written proposal justifying this.

H. C. Greene, Secretary

Arboretum Committee Meeting Minutes

September 23, 1964

Present: Cottam, Greene, Hasler, Hasselkus, Longenecker, Tipple, Mrs. Curtis.

Cottam presented requests for approval of research projects by Profs. Nees (Zoology) and Evert (Botany). Approved.

Cottam stated that it has been decided to tear down the old water tower at headquarters. There was discussion as to the location of the public rest rooms proposed for the Horticultural Area, but no agreement was reached.

The problem of vacating streets in the Lost City was considered. Cottam presented a map showing the streets he thought should be vacated. There was general agreement about vacating these streets. There is also the problem of the small park areas which were part of the original plan, and which the town of Madison claims, or probably will claim, when petition for vacating the streets is made. It was decided that Mr. Stathas be instructed to use as many of the lots between Carver Street and the lagoon, and adjacent to the small park in that area as necessary to trade for the small park areas within the Lost City. This trade would give the Town a workable park, and would remove the Town property, from the center of the Arboretum portions of the Lost City. A copy of the map of vacated streets and the related park areas is appended to the file copy of these minutes together with a copy of the letter of transmittal of this Committee's decision to Vice President Peterson.

Hasler requested that Archbald be designated to contact the Wisconsin Highway Department with a view to setting up prairie demonstration areas along the broad right-of-way of the Interstate Highway. Archbald to be so instructed.

Cottam stated that he wished to obtain a long-~~and~~ binocular dissecting microscope to be kept at the Arboretum Laboratory. This was approved.

Longenecker wants the stock in the headquarters nursery classified by size, as well as by species and numbers. He also pointed out that the planting records are not up to date and the Committee agreed that the Managing Director should be directed to make them current without further delay.

H.C. Greene, Secretary

September 23, 1964

Vice President A. W. Peterson
171 Bascom Hall

Dear Vice President Peterson:

The Arboretum Committee has met and considered the problem of vacating the streets in the Lost City. Our recommendations are shown on the attached map. I hesitate to try to put the description in words, but my non-legalistic attempt is as follows:

All of the streets in the northwest quarter of Section 34, except:

1. That part of Stoner Street east of McCaffrey Drive
2. All of Rowan Street
3. All of Cole Street
4. That part of Marshall Parkway that connects Cole and Rowan Streets
5. The circular road that surrounds Block A
6. That part of Capitol Avenue northeast of the circular road that surrounds Block A
7. That part of Carver Street east of the circular road etc.
8. That part of Wells Street between Martin Street and the circular road
9. That part of Martin Street east of Wells Street
10. All of McCaffrey Drive

With regard to the little areas designated Park (marked in green on the map) the Committee is willing to trade as many of those lots between Carver Street and the lagoon in the northeast quarter of Section 34 as necessary to acquire these parks.

Sincerely yours,

GC:c

Grant Cottam, Chairman
Arboretum Committee

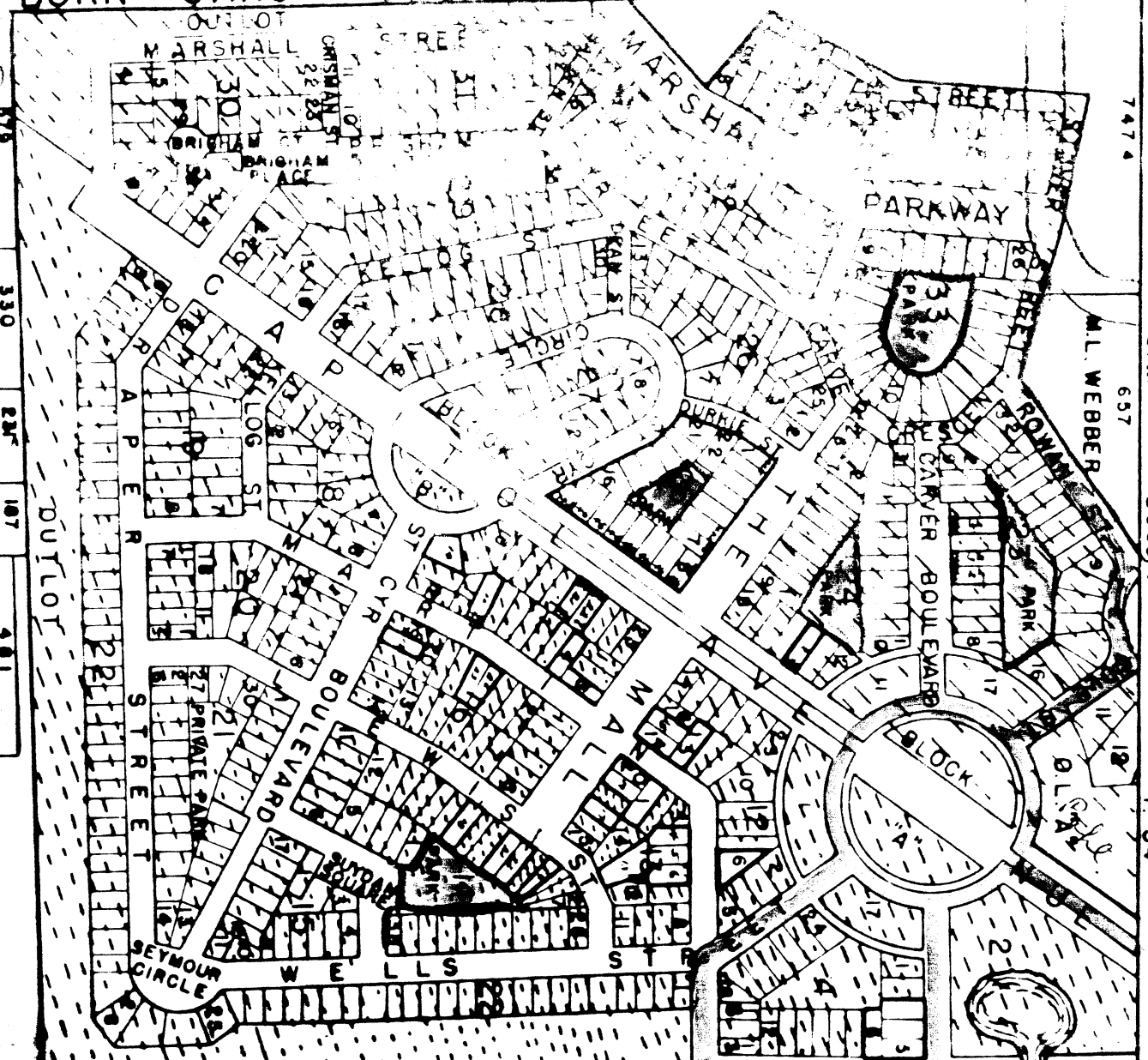
BURR OAKS SEC. OF LAKE FOREST P. 79-80-81-82

CROSS HATCHED AREA IN ARBORETUM

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P. 54

FOREST PARK



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28

F. W. CHA ERLIN 78.4

MADISON ST

WH. & B.W. FISHER 126A 1948.5

C. & B. BRYANT 12A 1718

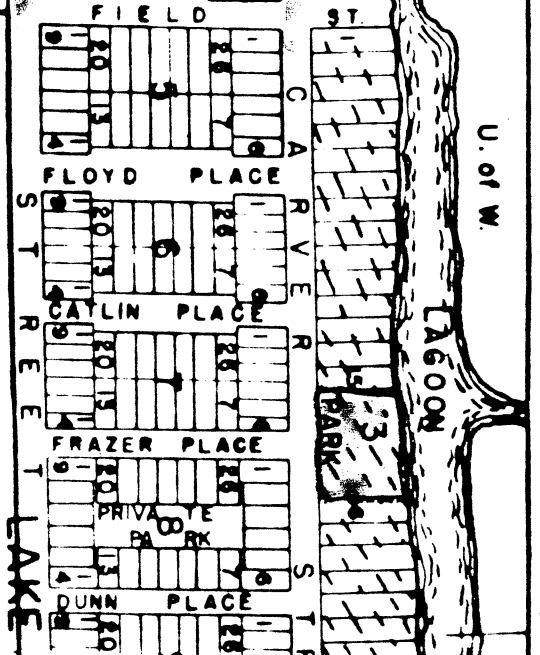
C. V. BRYANT 9.6A 1802

B. D. BRYANT 10A 1249.6

C. & B. BRYANT

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LAGOON

Arboretum Committee Meeting Minutes

November 4, 1964

Present: Ahearn, Archbald, Benjamin, Cottam, Greene, Hasler, Hasselkus, Keith, Longenecker, Tipple, Mrs. Curtis.

Cottam commented on the success of the Arboretum movie, and stated that all the copies of the film are now in circulation.

Cottam stated that the Arboretum News, as always, is in need of articles and requested that Committee members try to provide material whenever possible.

Cottam presented a research request from Prof. J. C. Nees who wants permission to use the fish ponds along the Fish Hatchery Road in a study on the movement of frogs. Approved.

Cottam asked Greene to state his views on mass collection of seed for gifts to other institutions interested in developing certain plant communities. Greene suggested caution in this unless experience has shown us that species are so firmly established on the area that there can be no doubt that this practice will not be detrimental to the continued presence of the species in question. Hasler suggested that before we send seed, recipients be checked for their ability and intent to follow through on a planting program and that they be requested when able to reciprocate in kind.

Cottam presented to the Committee a proposal from the Town of Madison that they be deeded land along the Lake Wingra shore to the west of the red-winged blackbird study area in exchange for the so-called park lands in the Lost City area that they claim belong to them and which at present constitute obstacles to our full use of the area, although we now have title to all the formerly privately-owned lots therein. After considerable discussion of the pros and cons, the Committee voted unanimously to reject this proposal, and await, for the time being, further moves on the part of the Town.

Cottam brought up the matter of building plans for the Arboretum Headquarters area and requested Archbald to state what progress he had made in pursuing this matter. Archbald said that he had taken the matter up with D. R. McNeil, Assistant to the President, from whom he is sure we will receive full cooperation. It appears that while we have not yet made any firm bid for support, certain foundations are favorably impressed. It is felt that these foundations constitute our only real and tangible prospect for funds, but that we will have to have an active building committee and better formulated plans than we now have. Cottam appointed to the building committee: Ahearn, Archbald, chairman, Cottam, Hasselkus and Keith.

Cottam requested Tipple and Longenecker to study the matter of location of public toilet facilities and to come to the Committee with a firm recommendation.

H. C. Greene, Secretary

Arboretum Committee Meeting

December 2, 1964

Present: Ahearn, Archbald, Cottam, Greene, Hasler, Hasselkus, Keith, Longenecker
Tipple, Mrs. Curtis.

Cottam pointed out that there is at this time no agency of the University charged with protecting the interests of biologists in relation to such natural, or semi-natural, areas as still remain on the campus, including Bascom Woods, the area west of Elizabeth Waters Hall, University Bay, the woods at Second Point, and Eagle Heights Woods. Hasler suggested the Biological Division should set up a committee to be concerned with the preservation of these areas.

Archbald gave a brief presentation of the present status of Arboretum building plans. The committee appointed by Cottam has been approved by the Provost. Archbald met with Mr. D.H. Sites, University Architect, and it is felt that we should proceed on a gradual basis, starting with general facilities and then consulting with individual departments as to their specific requirements.

Cottam reported that we need a new Jacobson lawn mower. It now appears that we can use a brush-cutter, mounted on a wheeled chassis, which is presumably less dangerous than the old back type, but Ahearn suggested that we ought to consult with the University Safety Director before buying and using this machine.

Ahearn requested a listing of the present Arboretum buildings, with details as to how long they have been in use, and their present state of repair which, in his opinion, is such that, in some cases at least, they should no longer be used.

In connection with a conference on State Natural Area Systems, Archbald, and R. Ellarson recently inspected portions of the abandoned Bong Air Base. It is proposed to have a meeting in February, sponsored by the Arboretum, and dealing with how best to make certain of these air base sites available as natural areas for the use of nearby school systems.

H. C. Greene - Secretary

Cottam described the contents of a seminar about the arboretum proposed by Prof. Philip Lewis. The purpose of the seminar would be to evaluate the arboretum from the viewpoint of ~~various aspects~~ a number of disciplines, including vegetation, soils, hydrobiology, wildlife, etc - a total of 14 in all. The proposal included the hiring of a graduate for one semester in each of the disciplines to collate and put on maps of the same base all available information. After this had been done, the seminar would meet and discuss each aspect of the information presented. It is anticipated that the seminar would include experts from each of the fourteen fields. The budget, not counting the time of the experts, was estimated at between 15,000 and 20,000 dollars. Basic to the proposal would be completion of a two foot contour map of the Arboretum. There was considerable discussion of the merits of the proposal and the technical problems involved. Archbald was of the opinion that the information was already available and could be put together in a few days at very little cost. It was pointed out that the information in the 14 fields was not on a comparable basis, with the vegetation, soils, and wildlife aspects fairly well known, ~~but~~ but others are hardly known at all.

There was some discussion about how the seminar could be financed. One proposal was that it be made part of a request to the Ford Foundation, another that it be a preliminary project prior to submission of the request to Ford.

No firm decisions were arrived at.

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Arboretum Committee Meeting

February 3, 1965.

Present:- Archbald, Cottam, Dicke, Greene, Hasselkus, Keith, Tipple, Mrs. Meadler
Also present for the latter part of the meeting were Dr. Lawrence Suhm,
Director of Leisure Resources Development in the Extension Division and
Prof. Philip H. Lewis of the Department of Landscape Architecture.

Cottam stated that a request for the sale of a print of the Arboretum film has been received from the National Audubon Society. This has been approved by the Friends of the Arboretum and the Arboretum Committee gave its approval, also.

Cottam stated the proposal before the Wisconsin Department of Agriculture relative to restrictions on the movement of plants and plant materials within the state had been defeated by the concerted action of the various state garden clubs, and that he felt it was for the best, even though it appeared the Arboretum would not have been directly affected.

Cottam brought up the matter of a strip of property along Martin Street in the southeast corner of the Arboretum through which an easement is now being sought by a private developer. It appears that this strip has minimal value to us for Arboretum purposes and it was agreed that Cottam would place the matter in the hands of Mr. Stathas, the University legal counsel, for study as to possible disposal to the best advantage of the Arboretum.

Archbalds Status Report was discussed and it was decided that funds are available to purchase all the capital equipment items requested therein, except the band saw for use in the carpenter shop.

Cottam distributed a ~~revised~~ Key to Wisconsin Trees by Goff & Zedler, a publication financed by the Friends of the Arboretum. This is being sold at 10¢ per copy for orders of 10 or more and at 25¢ each for smaller orders.

Dr. Suhm and Prof. Lewis were introduced at this point and discussed their proposal for an Environmental Resources Research and Training Center (to be based in part at least on a site in Iowa County) and stated that they thought it desirable that their program and that of the Arboretum for public education along these lines be coordinated. This is also the feeling of the Arboretum Committee and Cottam appointed a committee composed of himself, Dicke and Archbald to confer with Suhm and Lewis and come up with some definite proposals within the next month as to physical facilities which would be required.

H. C. Greene, Secretary

*nam
met.?*

Arboretum Committee Meeting

March 11, 1965

Present: Archbald, Cottam, Dicke, Greene, Hasler, Tipple, Keith, and Profs. Lewis and Suhm.

Cottam announced that the Arboretum budget has been increased by \$10,000, including provision for the long-desired position of Ranger-Naturalist.

Cottam stated that the University objects to paying unemployment compensation for members of the Arboretum labor crew laid off during the winter months, but no firm decision was reached on what to do about this.

Cottam relayed a request from Thomas Ashman who wants to erect wood duck nesting boxes along Murphy's Creek. It was felt that the Dept. of Wildlife Management is the proper agency to pass on this request and Keith was asked to inform that department about the matter.

Cottam stated that Mr. Paul Olson has told him that the Nature Conservancy is delinquent on 1962 taxes on the Arboretum Woods property and that since this constitutes a lien on the property they should be promptly paid. Cottam has consulted with Mr. Stathas who stated that the money would probably have to be paid out of the Arboretum Trust Fund. It was agreed we should do this.

Cottam presented a proposal from the Garrett Construction Company which is currently installing a sanitary sewer along the right-of-way of the C. & N.W. RR on the south boundary of the Grady Tract. They want to move a pipe-setting machine along the north side of the fence on our property.. It was decided that Cottam, Archbald, and Greene would have to inspect the area to determine how we should react to this request.

H. C. Greene, Secretary

Arboretum Committee Meeting

May 12, 1965

Present: - Cottam, Archbald, Dicke, Greene, Hasler, Hasselkus, Longenecker, Keith, Tipple.

Cottam announced that the City of Madison wants to install a pumphouse on an 80 x 30 ft. strip of land in the maple plantings in the southeast corner of that portion of the Arboretum north of the Beltline Highway. Keith wanted to know why the installation could not be made just as well on adjacent private property. No definite decision was taken on this matter.

Cottam stated that the Highway Dept. has announced its intention of building an access road to the Beltline which would pass through the Grady Tract approximately along the path of the fireland closest to and parallel with the Beltline. This would run the entire length of our property and beyond.

Cottam stated that the Arboretum Film has been turned over for handling and loan to the University Bureau of Audio-Visual Instruction, which is renting it for a fee of \$3 to pay costs.

Cottam stated that the Wisconsin Tree Guide produced by Goff and Zedler has proved to be very popular and has been copyrighted by them. It is now being commercially published and sold over the counter at 30¢.

Cottam brought up the matter of hiring a man to fill the newly provided-for position of Arboretum Ranger-Naturalist. The discussion principally centered on the practicality of engaging J.H. Zimmerman. It was agreed that his qualifications are the highest, but it was felt by some that his many commitments would prevent him from devoting the necessary attention to the job. Keith stated that he would like to meet face to face with Dr. Zimmerman for a discussion of this matter, and it was agreed to try to set up a Committee Meeting, with Zimmerman present, in the very near future.

H.C. Greene, Secretary.

Arboretum Committee Special Meeting

May 14, 1965.

Present:- Archbald, Cottam, Dicke, Greene, Hasler, Hasselkus, Keith, Longenecker, Tipple.

J. H. Zimmerman and J. E. Purchase were also present for periods during the meeting.

This meeting was called for the purpose of interviewing Dr. Zimmerman and Mr. Purchase, candidates for the newly authorized position of Arboretum Ranger-Naturalist.

It was decided by Committee vote to offer the position to Dr. Zimmerman, with certain understandings as to what are and are not his duties carefully spelled out in writing, and with the further understanding that if, after a reasonable period, the job is not, in the opinion of the Arboretum Committee, being handled in the best interests of the Arboretum, we shall be free to terminate the employment with no obligations on our part.

H. C. Greene, Secretary

The University of Wisconsin

MADISON CAMPUS

OFFICE OF THE CHANCELLOR
MADISON CAMPUS
BASCOM HALL
MADISON 53706

August 18, 1965

TO: Members of the ARBORETUM COMMITTEE

A. F. Ahearn
D. A. Archbald (ex officio)
Grant Cottam (Chmn)
Robert J. Dicke
Arthur D. Hasler ✓
Edward R. Hasselkus
Lloyd B. Keith
Orie L. Loucks
Richard Tipple

Dear Colleagues:

This notice is to verify the membership of Madison Campus elective committees and to designate the membership of Madison Campus appointive committees.

Specifically, I should like to name the above listed persons to the committee indicated above. Unless I receive from you before September 8, 1965, word to the contrary, I shall assume you are willing to serve on this committee.

Your participation in the work of this committee will be very much appreciated.

Sincerely,

R. W. Fleming

R. W. Fleming
Chancellor

1965-66
Ord. 47

Arboretum Committee Meeting -- Minutes

September 8, 1965

Present: Ahearn, Archbald, Cottam, Dicke, Hasselkus, Loucks, Mrs. Medler, Tipple, and Zimmerman

Announced by Cottam that Henry Greene resigned from the Committee and that G William Longenecker resigned as Executive Director of the Arboretum. It was suggested that their retirement be marked with a dinner in their honor in the near future.

Hasselkus was appointed secretary of the Arboretum Committee by the Chairman.

Motion by Dicke to name appropriate areas the Green Prairie and the Longenecker Horticultural Gardens. Seconded by Tipple and motion passed.

Cottam reported that an easement of 1/20th of an acre in the maple-basswood planting adjacent to the Johannsen property and the Beltline was granted to the city for a sewer lift station after a telephone poll of the Committee.

Cottam reported that the Town of Madison would approve of an exchange of lots 1 through 26 on Carver Street now owned by the Arboretum for about 4.5 acres of "parks" in the Lost City area. If the trade is made, the Committee wishes to stipulate that the Caever Street lots be used for park purposes as a deed restriction, and that vacation of the streets in the Lost City be accomplished at the same time.

Arboretum Status Report No. 10 was distributed by Archbald and discussed.

The Committee approved a demonstration of a Vermeer Tree Mover at the Arboretum on September 20, 1965.

The Committee approved of an agreement with the Listeman Arboretum of Neillsville, Wisconsin, to provide them with consultation services on a cost basis.

Cottam appointed Tipple and Loucks to study the possible improvement of the spring in Wingra Woods.

Archbald agreed to survey the valuable elms in the Arboretum to be treated with Bidrin by the Building and Grounds crew, at Ahearn's suggestion.

There was a discussion of the proposed sewer line through the west side of

Arboretum Committee minutes

Sept. 8, 1965

Eagle Heights Woods. The Committee took no formal action because the property is not under Arboretum control, but a majority of the members were opposed to locating the sewer on this property.

E. R. Hasselkus, Secretary

1965-66
Recd. yr

Arboretum Committee Meeting -- Minutes

October 13, 1965

Present: Ahearn, Archbald, Cottam, Dicke, Hasler, Hasselkus, Loucks, Mrs. Medler, Tipple, Zimmerman and Mr. Hanson of the Department of Protection & Security.

Cottam relayed a request from James Wittenberger, a student under Emlen in Zoology, to study the orientation of white-throated sparrow during migration in the Arboretum. No objections.

Cottam announced that the Town of Madison board is in agreement with the proposed exchange of land as outlined in the minutes of the Arboretum Committee meeting of September 8th. Legal action to expedite the transfer has been initiated.

Disposition of the small brick building (pumping station) located south of the Beltline on Seminole Highway was considered. All discussion was in favor of its retention by the Arboretum.

Cottam announced the possibility of an agreement between the Department of Meteorology and the Arboretum to develop a meteorological station on the Arboretum, which would include the erection of towers in the Arboretum. Suggestion by Hasler that a written agreement be drawn up between the Arboretum and the Department of Meteorology stating the conditions of construction and maintenance as well as a specific tenure of the project.

Loucks motioned to sell the approximately 1.5 acre triangular parcel of the Sensenbrenner tract between the railroad and the Beltline, provided that the price and the proposed land use be acceptable to the University. Motion not seconded.

Ahearn motioned to defer action on the disposition of the parcel in question. Motion seconded and carried.

Cottam outlined proposed minor changes in the Arboretum Rules and Regulations. Tipple motioned to accept the proposed changes. Motion seconded and carried.

A memo from Archbald dealing with protection and security in the Arboretum, especially in relation to vandalism of research was discussed. Mr. Hanson of the Department of Protection and Security was present for the discussion. Archbald agreed to study alternative solutions and present them to the Committee at a later date.

Edward R. Hasselkus, Secretary

Arboretum Committee Meeting -- Minutes

December 8, 1965

Present: Ahearn, Archbald, Cottam, Dicke, Hasler, Hasselkus, Keith, Loucks, Tipple, Zimmerman and Mr. William J. Powers of the Department of Planning and Construction.

Archbald asked approval of the purchase of a Cushman electric, 3-wheeled vehicle. Approved.

Archbald presented a status report on Arboretum buildings. The residence has been officially approved by the Campus Planning Committee, but funds have not as yet been made available. Mr. Powers presented a preliminary analysis of the maintenance and storage complex. Replacement of the present 12,000 square feet of space would cost about \$200,000.

The Arboretum News mailing list is to be revised. Members of the Committee expressed the desirability of adding the names of the entire professional staff of the University to the mailing list.

Cottam read a letter from R. A. McCabe, Chairman, Department of Wildlife Management in which he solicited support for the proposed purchase by the College of Agriculture of a 2 1/2 acre natural prairie parcel at Arlington. Motion by Hasler that the Committee favors the purchase of this parcel of land, but wishes to suggest the purchase or reservation of an adjacent 2 1/2 acre plot of agricultural land as a control plot to demonstrate the re-establishment of prairie plant species. Motion seconded and passed.

Ahearn announced that the Arboretum Drive roadbed along Lake Wingra will be raised and repaved next summer. It was suggested that fill be added to the low area between the Drive and Lake Wingra before construction is begun. Tipple recommended that Archbald make the necessary arrangements with the Department of Planning and Construction for filling this area.

Edward R. Hasselkus, Secretary

D. A.

ARBORETUM COMMITTEE MEETING - MINUTES

January 5, 1966

Present: Ahearn, Archbald, Cottam, Dicke, Hazler, Hasselkus, Loucks, Medler, Tipple, Zimmerman and Mr. William J. Powers of the Department of Planning and Construction.

Announcements:

1. An individual is interested in purchasing the triangular parcel of the Sensenbrenner tract between the railroad and the Baltline. Mr. Stathas, University Trust Officer, informed the interested party that it was not for sale at the present time.
2. Cottam has presented the suggestions of the Arboretum Committee to R. A. McCabe relative to the proposed prairie plot at the Arlington Farm.

Business:

1. Report of the Arboretum Building Committee - Archbald
 - a. Archbald distributed copies of both space analysis and cost estimates for the research building, maintenance building and residence.
 - b. Priorities were assigned as follows: 1) residence, 2) public toilets, 3) research building, and 4) maintenance building.
2. Archbald asked for approval to purchase a film projector -- request approved.

Edward R. Hasselkus
Secretary

Arboretum Committee Minutes

February 9, 1966

Present: Archbald, Cottam, Dicke, Hasler, Hasselkud, Keith, Loucks,
Mrs. Medler and Zimmerman.

1. Letter received from Mr. Gordon Orr with a proposal of suggested wording to be added to the architectural specifications of the S.L.C.P.:

"Approximately 5500 cu. yd. of selected excavation shall be hauled to the area near the east end of the arboretum road where Lake Wingra abuts this road. The area to be filled is the portion lying between the west edge of the road and the old shore line of the lake. The top surface of this fill shall be approximately three (3) feet above lake level. Besides the hauling, also included in this work, shall be all the necessary dozing to level the fill to the desired contours and the services of a flagman during such times as the dumping will interfere with traffic movement. The Division of Physical Plant will supervise all operations relating to this work."

2. Request from Mr. James C. Ward, Forest Products Laboratory, for experimental use of black oak saplings growing in the Rocky Mountain Forest area during 1966-67. Request approved.
3. Hasler pointed out a possible source of pollution from the high duck population at the Arboretum Duck Pond. Keith will promote a study of the situation by the Department of Wildlife Management.
4. Archbald described the development of his "swingkey, which can be used for identification of plants, birds, and even real estate. There was considerable discussion, during which Cottam asked whether the committee thought the development of the swingkey fell within the interests of the arboretum, and whether Archbald was entitled to market the seingkey for his personal profit. The committee agreed that the development of the swingkey was a legitimate use of Archbald's time, and that he was entitled to market it any way he saw fit.
5. Archbald proposed the development of a Ho-Nee-Um trail project which would provide an educational area directed toward children under 16 years of age.
 - a. Motion by Dicke to improve the Ho-Nee-Um Pond area for public use. Motion not seconded.
 - b. Motion by Hasler to construct a trail in the Ho-Nee-Um Pond area. Motion seconded by Keith and carried.
 - c. The Committee agreed that a wooden observation platform should be build on a trial basis, as a part of this project.

6. Budget requests:

- a. Cottam suggested that an additional policeman be added to the Department of Protection and Security staff to serve in a full-time capacity in patrolling the Arboretum.. Request supported by the committee.
- b. Archbald requested that a Tour Coordinator be included in the budget request for this year.
 - 1) Motion by Dicke that such a request be made and that help be enlisted from the Friends of the Arboretum during the current year. Motion seconded by Archbald and carried.

Edward R. Hasselkus
Secretary

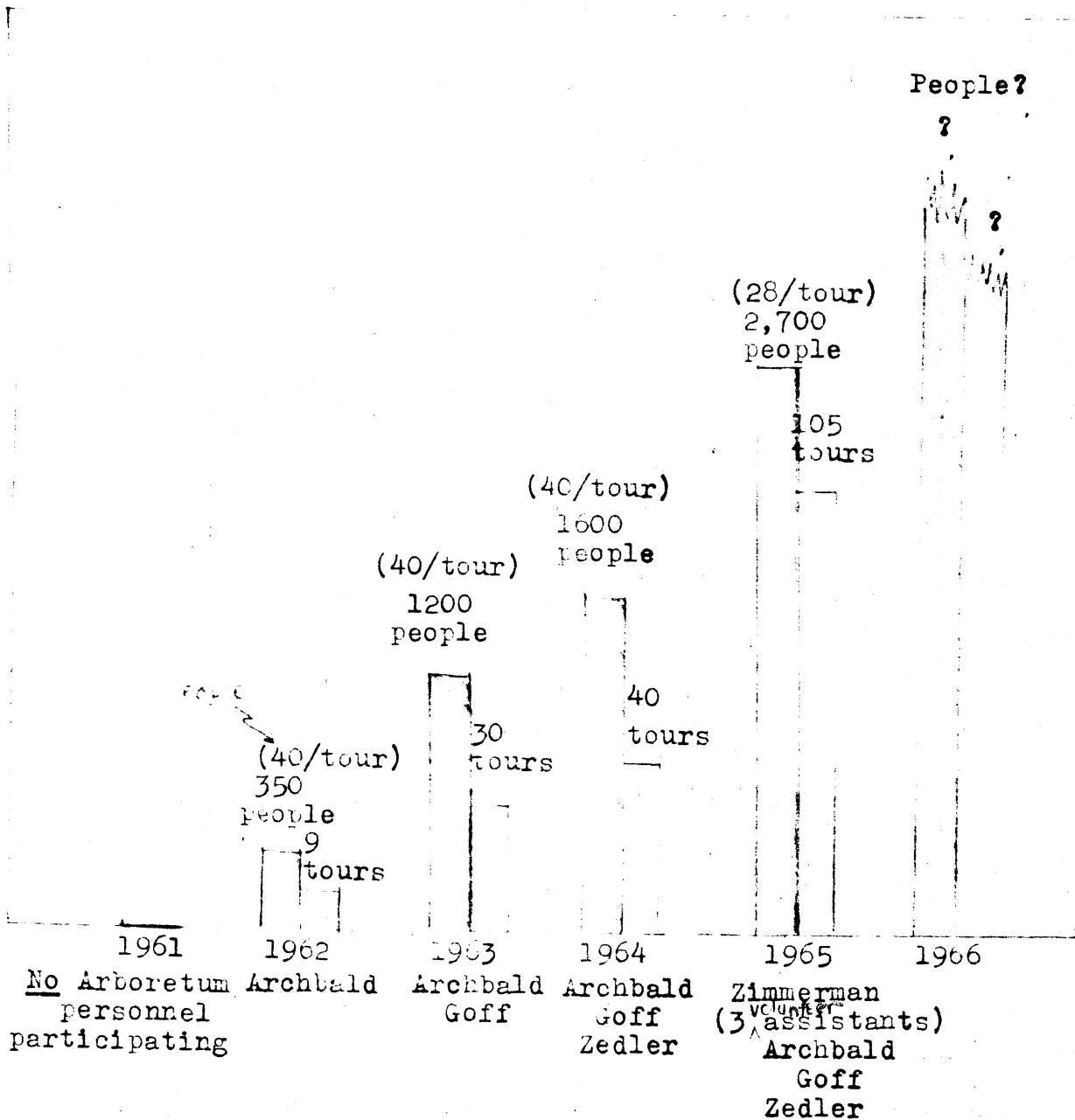
Appendix II

Hasler

Feb - 1966

Proposal for Tour Coordinator to join Arboretum Staff

There has been a keen awareness and concern for many years by those associated with the Arboretum regarding the ever increasing public demand for guided Arboretum tours evidenced in the graph below.



While the Arboretum has never been capable of adequately meeting the demand, the Arboretum Committee has always recognized the desirability of:

1. Informing the public about the Arboretum's goals and purposes
2. Translating the Arboretum's landscape into terms readily understood by the public
3. Encouraging the proper public use and understanding of the Arboretum

Certainly the above three objectives can be achieved largely through guided tours. From the graph (on the previous page) however, it is obvious that the Arboretum is insufficiently staffed to cope with this demand. In 1965, the bulk of the tour load was carried by Dr. Zimmerman and his three volunteer assistants.

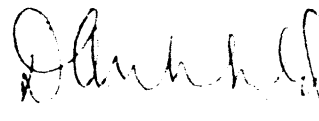
The 1964 to 1965 jump in tours to 260% and the 170% jump in number of people guided was accomplished with relatively little encouragement given to the public to participate in Arboretum tours. If, in 1966, the tour demand again doubles, we will need two Jim Zimmermans and 6 volunteer assistants. First, there aren't two Jim Zimmermans available and second, basing our tour program so heavily on volunteer assistants would make the program too vulnerable!

What is the alternative? Obtain the services of an experienced lay tour coordinator. A position that the Arboretum might have difficulty in justifying with taxpayers' money but a function that seems most fitting for the Friends of the Arboretum.

The responsibilities that could be assigned to the Tour Coordinator are:

1. Schedule all popular tours (as opposed to visiting scientists, University classes or other "official" tours)
2. Assign tour leaders to specific groups
3. Lead tours
4. Aid in the development of trail guides, maps, handouts and popular educational materials (1)

Thus, the Tour Coordinator could fit in organizationally between Jim Zimmerman and the tour leaders and help translate professional expertise into popular programs.



D. Archbald

(1) It is true that some headway has been made in writing trail guides and in the corresponding marking and labeling of trails. But, there is a broad spectrum of field sciences encountered in the Arboretum and it is necessary to interpret these sciences at several age levels as well as for diverse interest groups. So, for most trails, two, three or more trail guides will be desirable.

Arboretum Committee Meeting--Minutes

March 9, 1966

Present: Archbald, Cottam, Dicke, Keith, Loucks, Mrs. Medler, Tipple, Zimmerman.

1. Letter received from Charles R. Stearnes and John Lambert, Department of Meteorology, with a proposal to study radiation temperatures of the leaves in the canopy of a stand of smooth sumac. Involves fencing an area of about 1/4 acre and erecting a triangular 20 ft. tower. Area requested -- Section 95, within the Rocky Mountain Forest development site. Approved.
2. Cottam reopened the discussion regarding Archbald's Swingkey with respect to this being a legitimate use of Archbald's time and effort. The Committee again stated that it was aware of the facts and agreed to this usage of Archbald's time.
3. Items requested in 1966-67 budget, as reported by Cottam:
 - a) Police officer (jointly listed with Department of Protection & Security)
 - b) Tour Coordinator for 7 months @ \$450/monthThe Friends of the Arboretum are expected to pay the people who were "volunteer" tour leaders last year, at a given amount per tour (\$5 or \$10 per tour, to be decided at next board meeting of the Friends).
4. The entire matter of tours, Tour Coordinator, and use of the Arboretum by the public was then discussed at length. The Committee agreed that a policy regarding tours should be established.
 - a) Loucks moved that the tour program be continued at a reduced scale from that of late 1965, suggesting one Sunday tour a month and that participants sign up in advance. No second.
 - b) Loucks suggested that Zimmerman prepare a reservations-for-tours program that could feasibly be handled by him and his assistants, and present this at the next Committee meeting.
 - c) Keith moved that the Friends be approached regarding support for a Tour Coordinator for one tour season, amended by Tipple to include a statement of policy presenting a specific plan for 1966 tours prepared by Zimmerman and Archbald. Dicke seconded. All in favor, except Loucks.
 - d) The Committee was agreed that the public could not be denied access to the Arboretum.. The use of some sort of permit for future checking on persons in the Arboretum was suggested.
5. Cottam announced that the trailer would become vacant during the summer. Various persons expressed an interest in living in it -- Arboretum botanist and his wife, married student in Entomology Department, Arboretum foreman. No decision was reached at this time.
6. Archbald explained a survey the city was going to conduct in Vilas Park regarding questioning the public on use of and interest in the park and the Zoo. He wondered whether a similar inquiry would benefit the Arboretum. The

Committee agreed such a survey would give us valuable information. Archbald was instructed to look into the matter more thoroughly and present further facts for expediting a survey of this kind.

7. Keith stated that he had a deep concern re. research and the Arboretum. He has projects he is interested in setting up in the Arboretum but does not consider them because of vandalism. He suggested a sub-committee be appointed to study the problem of research potential, especially methods for protecting research areas and equipment from the public. Cottam will appoint a Committee.
8. Keith expressed views that he objected to the dumping of snow by the University snow removal crew along University Bay Drive. It obstructs the view, it encroaches upon use of the roadside by walkers and cyclists and so is a traffic hazard, it is unsightly, and allows silt, salt and refuse to be deposited on lake edge and into the lake itself. The Committee agreed that Cottam should write a letter to Ahearn giving the views of the Arboretum Committee as a unit, stating their interest in the University Bay area.

Jane A. Curtis-Medler, Sec. pro tem

Arboretum Committee Meeting - Minutes
April 20, 1966

Present: Archbald, Cottam, Hasselkus, Loucks, Mrs. Medler and Zimmerman.

1. Mr. Sargent and Mr. Halford, Madison Gas & Electric Co. presented a request for permission to locate anchors for guy lines on six electric poles along the railroad on the Grady tract. It would represent from a 12 to 40 foot encroachment on arboretum property.
2. Priorities suggested for supplies expenditures:
 - a. gravel for parking lots and add to lime prairie
 - b. power line to Gallistel Shelter
 - c. Fencing
3. Suggested capital expenditures:
 - a. 2 lawnmowers \$120
 - b. 2 rototillers \$300
 - c. pruner \$60
 - d. bomb calorimeter \$900
 - e. herbarium cases
4. Research proposals:
 - a. James H. Zimmerman - Study of growth and reproduction of oaks in relation to fires.
 - b. Susan E. Riechert (under direction of W.G. Reeder) - Quadrate sampling of arachnids and classification and quantitative measurements of prairie vegetation.
 - c. G.R. DeFoliart and R.P. Hanson -- Arbovirus -and host-relations of Wisconsin arthropods.
 - d. O.L. Loucks - Water budget investigations of plant communities in the prairie forest border region of Wisconsin.

Projects approved.

Edward R. Hasselkus
Secretary

June 29, 1966, 4:00 p.m. - Meeting with Chancellor Fleming of Representatives of the Arboretum Committee, Friends of the Arboretum, Graduate Biological Division and Construction and Planning.

Arboretum Committee:

A. F. Ahearn
R. J. Dicke
O. L. Loucks

Friends of Arboretum:

J. H. Beuscher
Mrs. M. Leidner

Graduate Biological Division:

P. J. Allen
Hans Ris

Planning and Construction:

J. V. Edsall

Chancellor's Office:

R. W. Fleming
R. H. Atwell

Problem: Encroachment into east margin of Eagle Heights Woods (destruction of cover margining large trees) by construction of new student dormitories.

Alteration of grade and destruction of margin cover was reported to the Acting Chairman of the Arboretum Committee by Professor Loucks on June 24. Representing the Graduate Biological Division's Wooded Areas Committee, Professor Allen requested a meeting with Chancellor Fleming which was set for June 29. In the meantime, further construction at the Eagle Heights' site was postponed.

The discussion involved two problems: 1) Authority for construction in preserve areas and the immediate resolution of the construction encroachment into Eagle Heights Woods, and 2) designation of responsibility for certain campus wooded areas as Bascom Woods, Eagle Heights and Picnic Point.

Following these discussions, Chancellor Fleming directed the Arboretum Committee and Construction and Planning to make recommendations on the following issues:

- 1) Modification of existing construction plans at the Eagle Heights site to modify the degree of encroachment and repair damages done to the east margin of the woods.
- 2) Reactivate discussions on definite boundaries of wooded areas reserved for teaching and research and to recommend designation of responsibility for these areas.

Robert J. Dicke
Acting Chairman
Arboretum Committee

7/7/66

ARBORETUM COMMITTEE MEETING

June 30, 1966 - University Club

Members present: A. F. Ahearn, D. A. Archbald, R. J. Dicke, and A. D. Hasler

Guests: P. J. Allen and G. C. Gerloff

The problem created by construction at the east margin of Eagle Heights Woods was reviewed and discussed. Moved by Hasler, seconded by Archbald, and passed that the Arboretum Committee recommend to Chancellor Fleming the complete restoration of the forest margin.

Moved by Archbald, seconded by Ahearn, and passed that the Arboretum accept from the City of Madison the abandoned pump house located on the Grady Tract without further restoration of the area.

The Committee then adjourned to meet with Mr. J. V. Edsall and his group at the Planning and Construction office to review plans and finally to visit the construction site. Recommendations for modification of construction plans and restoration of the east margin of Eagle Heights Woods are detailed in the attached letter to Chancellor Fleming dated July 1, 1966.

Robert J. Dicke
Acting Chairman
Arboretum Committee

Arboretum Committee Meeting: August 4, 1966

Members Present: Dicke, Hasler, Leucks, Hasselkus, Ahearn, Tipple.

On July 29, 1966, Mr. K. M. Levenick of Planning & Construction requested the counsel of the Arboretum Committee in the proposed construction of a new change house facility on Picnic Point. This construction is to meet an existing problem in the use of the Picnic Point Beach--a public use problem on University property which has existed for a long period of time and which cannot be curtailed.

Included in the plans were suggestions that cook-out areas in the immediate vicinity be improved. It was the feeling of the Arboretum Committee that while this area is being used for picnics and cook-outs, this use should not be encouraged by further improvements. The adjacent small marsh then would be placed under less public pressure.

A rough draft of the proposed building program for the change house was reviewed and certain changes were made for its revision.

Arboretum Committee Meeting

September 14, 1966

Members present: Ahearn, Archbald, Cottam, Dicke, Hasler, Hasselkus, Keith, Loucks, Medler, Tipple and Reeder (visitor)

Research Requests:

1. Request from Emlen, Zoology to permit Prof. Lowell Getz, Storrs, Connecticut (visiting U.W. June '67-Aug.'68) to conduct a small mammal project involving trapping in the Arboretum
 - a. Hasler motion to grant tentative approval of this project pending particulars. Motion seconded and passed.
2. Request from Army and Kintz, Plant Pathology to utilize a 50' x 50' plot in the Arboretum for planting buckthorn and oats to study susceptibility of oat varieties to crown rust. Duration unspecified.
 - a. Loucks motion that they be requested to explore the possible use of other University areas. Motion seconded and passed.
3. Request from Trenk, Forestry to erect a Moravian Church sign on Arboretum property at Monroe Street.
 - a. Consensus of the committee was that Trenk be advised that signs on University property are in violation of Regent regulation.

Business:

1. Disposition of Trout Lake Botany Building.
 - a. Committee agreed to abandon the building.
2. Loucks request to post scientific area signs at Abrahams Woods.
 - a. Ahearn motion to post signs at Abrahams Woods. Motion seconded and passed.
3. Report by Reeder, Chairman of Biological Division Committee on Campus areas.
 - a. This committee has been assigned the charge to determine the most effective action to be taken by biologists to assure preservation of natural campus area.
 - b. Dicke motion that if the above committee should request that the Arboretum Committee assume responsibility for campus natural areas, that the Arboretum Committee accept the charge. Motion seconded and passed.
4. Proposed Research Facility.
 - a. Archbald reported that the proposal has been revised and redrawn for consideration at the next meeting.
 - b. Departmental representatives will be asked to add a statement of proposed use of the facility to the proposal.
 - c. The Arboretum Building Subcommittee will study the siting of this proposed facility.

Edward R. Hasselkus
Secretary

ARBORETUM COMMITTEE - MINUTES

October 12, 1966

Members present:

Archbald, Cottam, Dicke, Hasler, Hasselkus, Keith, Loucks, Medler and Tipple.

Research Requests:

1. Request from Reeder (Zoology) for Miss MacArthur to conduct a study of marsh-dwelling spiders in marsh areas of the Arboretum for a period of one year.
2. Request from Baerreis (Anthropology) to study the snail population of Arboretum plant communities.

Dicke motion to approve both research requests. Motion seconded and passed.

Business:

1. It was announced that the Biological Division Committee on Campus Natural Areas is developing a proposal to be presented to campus biologists.
2. In view of the fact that McCaffrey Drive is also known as Arboretum Drive, Archbald was instructed by the Committee to contact the Town of Madison to see if the drive might be officially designated as McCaffrey Drive.
3. The recent dry conditions have caused a fire hazard condition within the Arboretum. Archbald was empowered to use his judgement in closing the Arboretum to the public if necessary.
4. Erosion problems along the Beltline Highway were listed in the Arboretum Status Report No. 11. Archbald motion that the State Highway Commission be asked to finance or build a silting pond on Arboretum property. Motion seconded and passed.
5. Changes in the Regent Rules & Regulations, Chapter UW1 Traffic & Conduct on University Property, were proposed as follows:
Sec. UW1.06(4) add "cats or other domestic animals".
Sec. UW1.07(i) delete "arboretum" as an exception.
Sec. UW1.07(ii) add "skating" as being prohibited.
Motion by Tipple that these changes be proposed to the Regents.
Motion seconded and passed.
6. Motion by Archbald that a permit system be developed to limit access of juveniles to the Arboretum (see Arboretum Status Report No. 11, Sec. VIII, part 3). Motion seconded and passed.
7. Hasler questioned the desirability of the construction of a conventional residence as part of the building project. It was agreed that further discussion of the design of this building was desirable.

ARBORETUM COMMITTEE -- MINUTES

November 16, 1966

Members Present: Archbald, Cottam, Dicke, Hasselkus, Loucks, Medler, Tipple and Zimmerman.

Business:

1. Request from Harry C. Coppel (Entomology) to remove small amounts of white pine foliage from the Arboretum at irregular intervals for the next 6 to 8 months. Request approved.
2. Request for public access to Arboretum at an apartment development behind the Management Consultants Firm. Request denied.
3. Archbald reported action of the Dane County Board to support a County Conservation Naturalist beginning January 1, 1967, for a trial period of one year. Mrs. Rosemary Flemming will serve in this capacity.
4. Archbald proposed the development of a series of trail guides to be supported under Title III of the 1965 Elementary and Secondary Education Act. The Committee encouraged Archbald to pursue this proposal.
5. Cottam and Archbald reported on a visit from the State Highway Department representatives regarding the siltation and water problem along the Beltline Highway. Cottam presented a request that a solution to this problem be made a condition of any land transfer from the Arboretum in the anticipated construction of an access road along the south side of the Beltline Highway.
6. Recommendations of the Campus Biological Areas Committee of the Graduate Biological Division were presented. A concern was expressed that, if the Arboretum Committee is granted jurisdiction over additional areas, a management or operating budget should accompany such an agreement. Dicke expressed the logic of such support coming from the instructional budget.
7. A formal announcement of the designation of the Henry C. Greene Prairie and the G. William Longenecker Horticultural Gardens will be made at the annual meeting of the Friends of the Arboretum on November 30, 1966.
8. Archbald announced that the Friends of the Arboretum are willing to aid in the acquisition of the Raymond Road Prairie.
9. The Committee authorized Cottam to submit a request to the University Trust Officer to negotiate the acquisition of the Fischer property north of the Beltline Highway.
10. Cottam presented a pilot copy of the Department of Botany portion of the justification section of the Arboretum Research Building proposal for use of other departments in preparing similar statements.

Edward.R. Hasselkus

ARBORETUM COMMITTEE - MINUTES

December 14, 1966

Members present: Ahearn, Archbald, Cottam, Dicke, Hasselkus, Keith, Loucks, Medler, Tipple and Zimmerman.

Business:

A. Archbald reports:

1. Jeep needs replacement. Approved by Committee.
2. Arboretum residence. Construction can possibly begin in July, 1967. The Committee must act on the siting of this structure as well as other buildings in this complex.
3. A cooperative city-county-town-university committee is being formed to study watershed problems in the area of the Arboretum. Cottam appointed Archbald, Cottam, Tipple and Zimmerman as Arboretum representatives on this committee.
4. Permits. Archbald has developed a permit to be issued to juvenile visitors to the Arboretum. The permit system is being submitted for inclusion in the Regent Rules and Regulations.
5. Large chain saw. Money is available for replacement of this item. Approved by Committee.
6. Bus service to the Arboretum. Committee felt that it is not feasible at this time.

B. Cottam motion to approve Archbald's trip to Trinidad to conduct research with capsulated fertilizers (involves 9 days absence in January). Motion seconded and carried.

C. Loucks questioned the advisability of modification of a community through the removal of boxelder without Committee approval. Loucks motion that the Managing Director present each February and September plans for major operations involving plant communities. Motion seconded and carried.

D. Loucks motion that \$270.00 be allocated for the completion of electric service to the shelter building in Gallistel Woods. Motion seconded and carried.

1. Members of the Committee voiced concern that any further electrical service proposals be considered on the basis of underground installation.

Edward R. Hasselkus
Secretary