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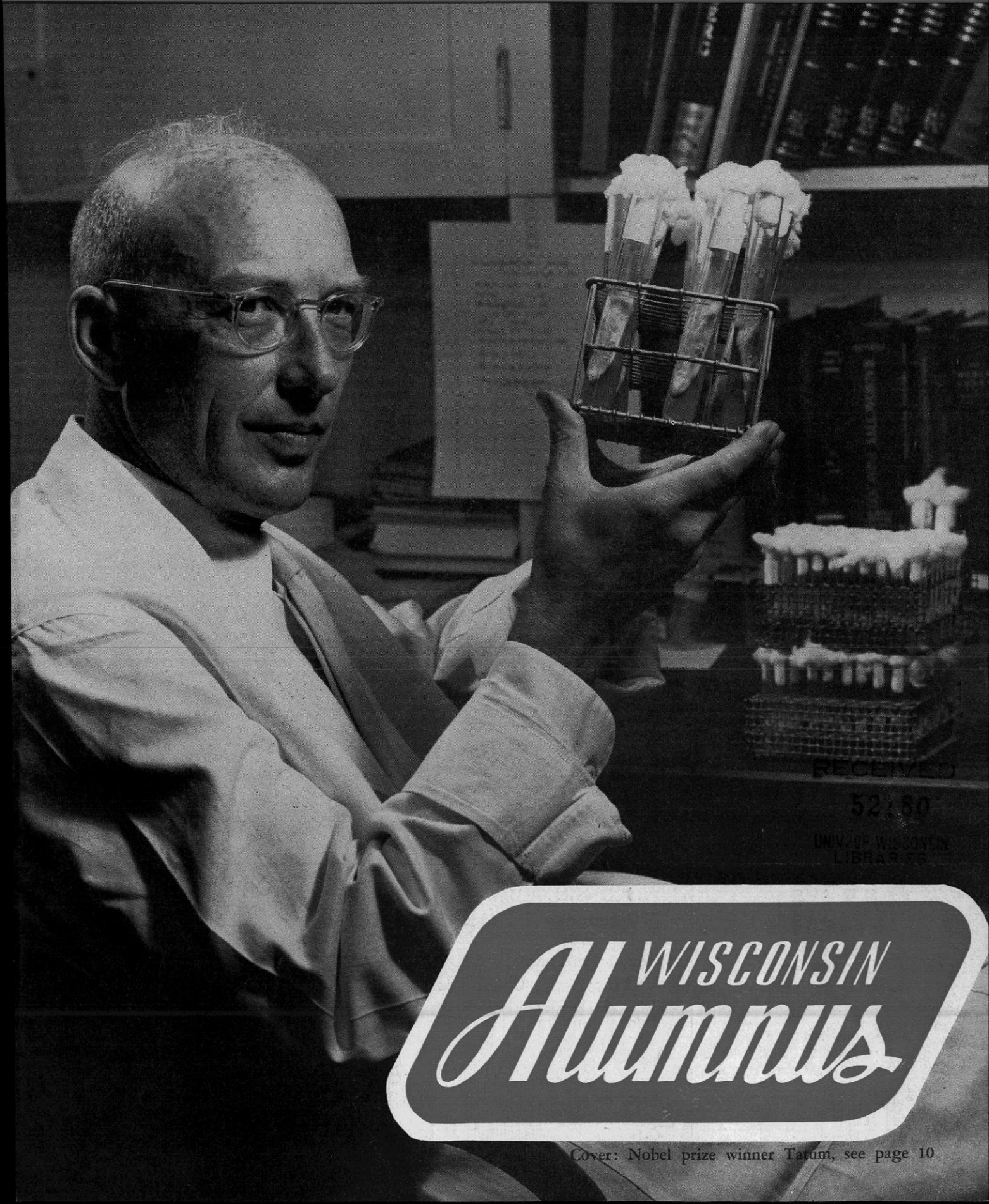
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In This December, 1958, Issue:

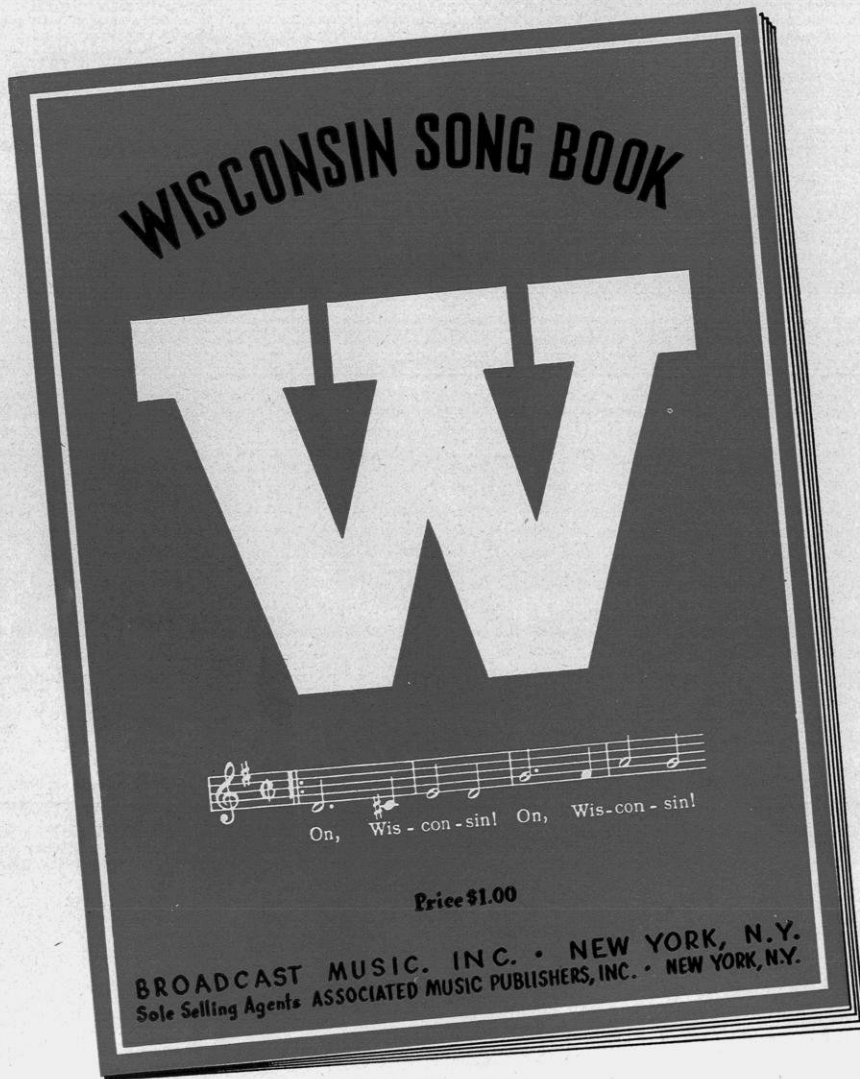
- More Room in Residence Halls
- Alumni House Campaign Report



WISCONSIN
Alumnus

Cover: Nobel prize winner Tatum, see page 10

FOR BADGERS!



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- Varsity
- On Wisconsin Round
- If You Want to Be a Badger
- Farewell to Thee Wisconsin
- The Badger Team
- Wisconsin's Pride
- My Heart Is in Madison
- We'll Cheer for Old Wisconsin
- Cheer, Boys, Cheer

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to wisconsin alumnus readers

widespread support greets alumni house campaign

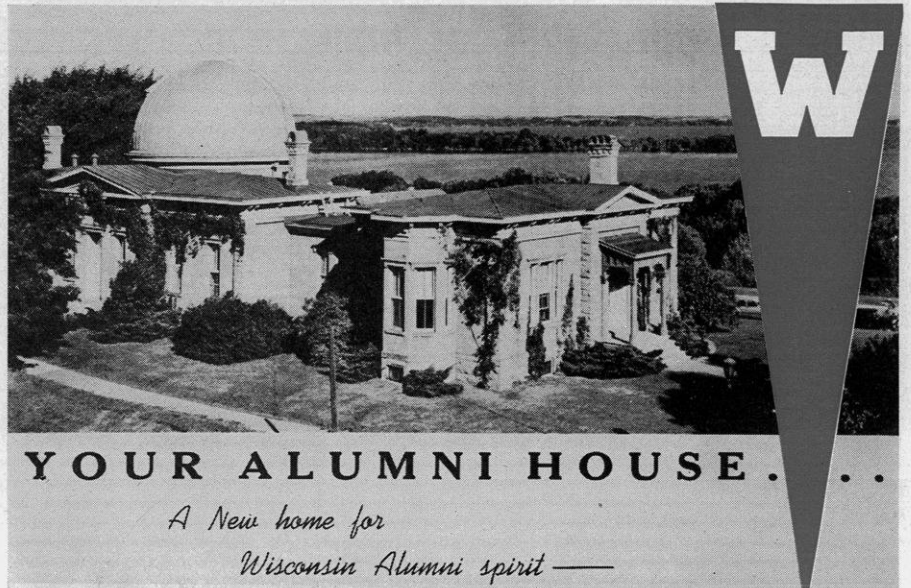
"Is *your* name on the Alumni House Honor Roll?"

THAT'S THE QUESTION which will be asked throughout the country during the coming months as Alumni House committees swing into operation. Last month 105,000 former students of the University of Wisconsin opened their mail boxes and found a copy of the booklet pictured here. They learned all the details about the campaign which University President Conrad Elvehjem called "one of the most stimulating enterprises ever undertaken by our Association."

The general mailing centered around an appeal to loyal Badgers everywhere to do their part in building the Alumni House. By return mail, checks and money orders began flowing into the offices of the University of Wisconsin Foundation, clearing house for University fund raising activities. Although no figures are available at this time, it appears that a record number of alumni will contribute to the 1958 Alumni Fund with most of the donations earmarked for the Alumni House.

While general appeals were being made by mail, Campaign Director Jim Bie and WAA Field Secretary Eddie Gibson were busy working with district chairmen lining up campaign committees in cities from coast to coast. Bie met personally with groups in Chicago, New York City, Washington, D. C., Philadelphia, and Cleveland. Gibson concentrated on cities located in the state of Wisconsin.

The district chairmen and their committees plan a two-fold campaign to re-



inforce the appeal made by mail. The main objectives of the campaign organization will be to personally solicit alumni who might be interested in making substantial contributions to the Alumni House, and to encourage *all* alumni to give something so that the Honor Roll placed in the Alumni House will reveal a broad base of alumni support.

Campaign workers report that alumni approve retention of the outward appearance of the old Washburn Observatory for the Alumni House. Any concern for the historic charm and beauty of Observatory Hill was quickly dispelled by announcement that the building changes will be largely on the inside. Stone from the old Chadbourne Hall—

a perfect match with the stone used to build the original observatory in 1878—is available for exterior work, if any.

Another source of encouragement to both campaign workers and contributors: gifts to the Alumni House can be split, enabling givers to reap the additional benefit of tax deductions during two calendar years. (Some contributors also were quick to take advantage of the savings resulting from gifts of investment securities which have shown a large capital gain in recent years.)

Campaign Chairman John Keenan of New York predicted the final goal of \$225,000 would be reached by next June and the building would be remodeled and ready to welcome Badgers to campus by the end of 1959.

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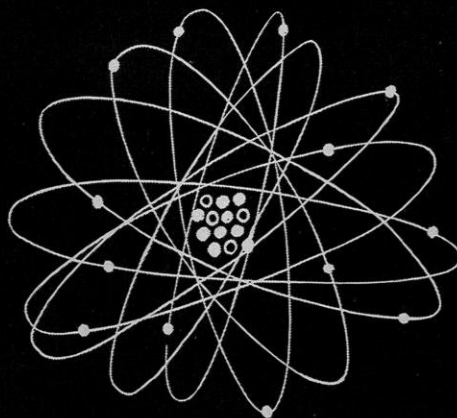
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In this sense, then, we have available *today* in existing raw materials the inventions that can make our lives longer, happier, and inconceivably easier. We need only *knowledge* to bring them into reality.

Could there possibly be a better argument for the strengthening of our *sources* of knowledge—our colleges and universities? Can we possibly deny that the welfare, progress—indeed the very *fate*—of our nation depends on the quality of knowledge generated and transmitted by these institutions of higher learning?

It is almost unbelievable that a society such as ours, which has profited so vastly from an accelerated accumulation of knowledge, should allow anything to threaten the wellsprings of our learning.

Yet this is the case

The crisis that confronts our colleges today threatens to weaken seriously their ability to produce the kind of graduates who can assimilate and carry forward our rich heritage of learning.

The crisis is composed of several elements: a salary scale that is driving away from teaching the kind of mind *most qualified* to teach; overcrowded classrooms; and a mounting pressure for enrollment that will *double* by 1967.

In a very real sense our personal and national progress depends on our colleges. They *must* have our aid.

Help the colleges or universities of your choice. Help them plan for stronger faculties and expansion. The returns will be greater than you think.

If you want to know what the college crisis means to you, write for a free booklet to: HIGHER EDUCATION, Box 36, Times Square Station, New York 36, New York.



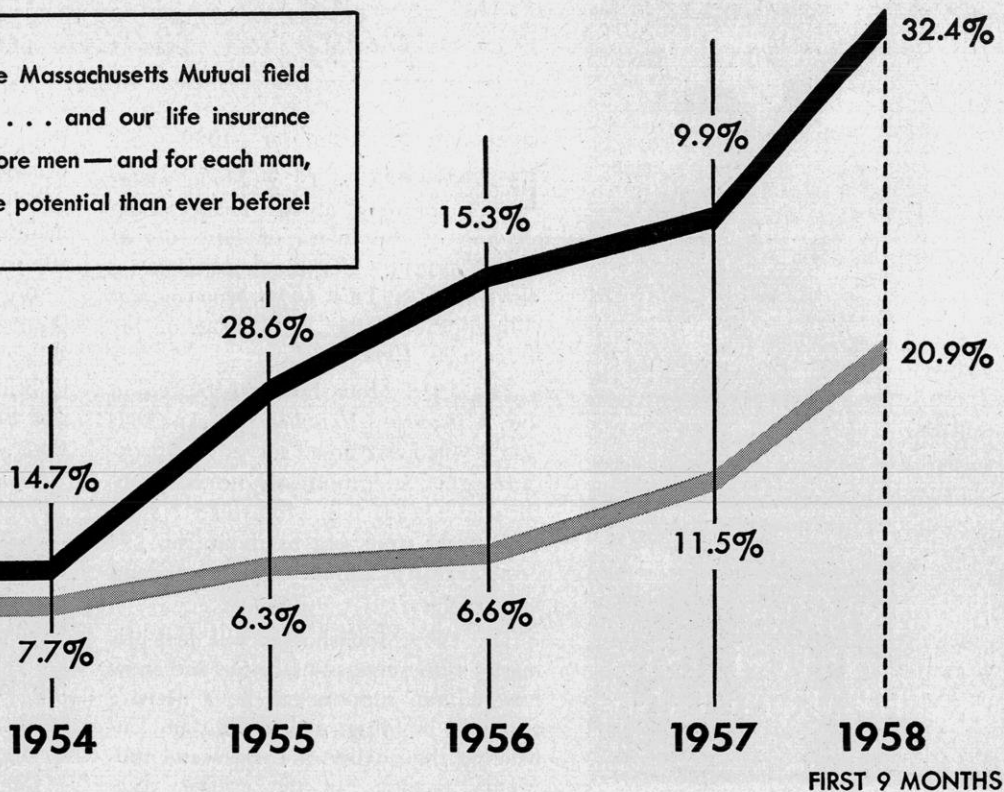
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keeping in touch with Wisconsin

Operation Moonshooter—1959

PLANS FOR a 1959 Moonshooter were approved at the Homecoming meeting of the Board of Directors of the Wisconsin Alumni Association on November 8. This 1959 Moonshooter will appear in the April issue of the *Wisconsin Alumnus*.

The 1958 Moonshooter appeared in the *Wisconsin Alumnus* last April. It was devoted to a broad survey of American higher education—its needs, problems and headaches. More than 1,350,000 copies were sent to alumni by 154 cooperating alumni associations and universities.

The 1959 Moonshooter will deal primarily with university faculties and show how alumni support can be a decisive factor in building, maintaining and enhancing the quality of college and university faculties in the critical years ahead.

Like the 1958 Moonshooter, the 1959 edition will be compiled by an editorial staff of nineteen alumni editors. It will consider the problems of supply and demand; the salary problem; the role that faculty quality will play in determining the quality of leadership in our American society. These facts will be presented in the words of editors, faculty people, leading educational spokesmen and business and professional leaders who know the importance of faculty quality in the field of higher education.

Pointing out these faculty problems, of course, is not enough. So this 1959 Moonshooter will show how alumni can help to insure continued faculty excellence. These editors will also point out the consequences of inadequate alumni support. The importance of faculty quality has been stressed again and again by President Elvehjem. In his inaugural address he said:

"Through the years Wisconsin has been blessed with a succession of great faculties. As we page through its history, we find constantly recurring groupings of brilliant and dedicated men in each era."

This faculty excellence is one of the main reasons why Wisconsin is one of

the top ten universities in America. Moonshooter 1959 will suggest ways in which we as alumni can do our part to maintain a great faculty at the University of Wisconsin.

We hope too that inclusion of Moonshooter 1959 will add quality to our *Wisconsin Alumnus*. Each month we try to bring you a magazine that is readable and brings you the news and information you expect from the *Wisconsin Alumnus*. Many of you have been good enough to tell us you like the *Alumnus*—that you read it from cover to cover. Most Badgers are rugged individualists, and these differences are reflected in the letters we get. For example, here is a paragraph in a letter from a member of the class of 1916:

"I glanced through the *Wisconsin Alumnus* yesterday. It always does something to me. Maybe I am just getting old and easily entertained. It always cheers me up at least for one day."

How does the *Wisconsin Alumnus* strike you? Does it do "something" for you? Does it bring you the news you want about your University? If you think we are missing the boat somewhere in publishing the *Wisconsin Alumnus*, please let us know because we want to publish a magazine that you like to read.

Like this December issue, most issues run forty pages. We could do a better job, of course, with forty-eight pages and I hope we can add these extra pages in the not too distant future. It costs money to add eight more pages and our magazine budget isn't big enough right now to pay for these extra pages.

Some years ago our magazine had only twenty-four pages. As our membership grew this was increased to thirty-two pages and then to forty pages. Our next step is forty-eight pages and I hope we can reach that goal soon. You can help us to reach this goal by encouraging your alumni friends to become members of the Wisconsin Alumni Association.—JOHN BERGE, *Executive Director*

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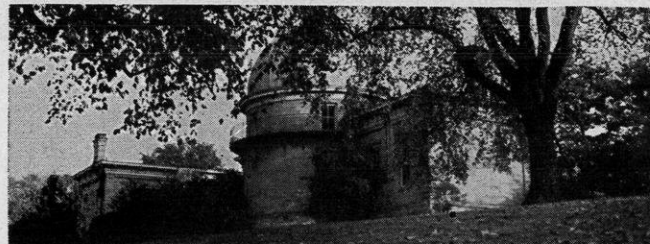
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WISCONSIN Alumnus

Official Publication
 Wisconsin Alumni Association

Volume 60 DECEMBER, 1958 Number 8

COVER

Second Wisconsin alumnus in two years to win a Nobel prize is Dr. Edward L. Tatum, now with the Rockefeller Institute. The photograph is used through the courtesy of Stanford University. For details, see story on page 10.

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THE WISCONSIN ALUMNUS, published once monthly in December, January, February, March, April, May, June, July and September, and three times monthly in October and November. (These extra issues are Football Bulletins.) Second-class postage paid at Madison, Wis., under the act of March 3, 1879. Subscription price (included in membership dues of the Wisconsin Alumni Association) \$2.50 a year; subscription to non-members, \$5.00 a year. Editorial and business offices at 770 Langdon St., Madison 6, Wis. If any subscriber wishes his magazine discontinued at the expiration of his subscription, notice to that effect should be sent with the subscription, or at its expiration. Otherwise it is understood that a continuance is desired.



DR. JOSHUA LEDERBERG, AT NEWS CONFERENCE

Wisconsin has two more

A Wisconsin alumnus and a Wisconsin professor, in October, became recipients of the Nobel prize for medicine.

They are biochemist Edward L. Tatum '29—holder of three UW degrees—and geneticist Joshua Lederberg.

It was the first time this honor had ever fallen to a Wisconsin faculty member. Not so for alumni. Just two years ago John Bardeen '28, became a Nobel prizewinner in physics as a result of his pioneer work on electronic transistors.

Drs. Tatum (like Bardeen, the son of a University faculty member) and Lederberg gained recognition for demonstrating that bacteria possess mechanisms for sexual recombination—a method of exchanging genetic material similar in fundamental respects to higher organisms.

In other words, they discovered sex in bacteria.

Currently, Dr. Tatum is with the Rockefeller Institute in New York City; he had been on the Stanford University faculty for a number of years. As it happens, Dr. Lederberg will soon be on that same Stanford faculty as head of a new medical genetics department (the same position he holds at Wisconsin.) He had announced his forthcoming February

PROFESSOR LEDERBERG
UNDERGOES A PRESS CONFERENCE

Such work is fundamental to practical application. It's like having to learn the language before learning to read Shakespeare.

Wisconsin is one of the finest Universities in the country, from all points of view, in my opinion.

Dr. Lederberg, do you enjoy this sudden limelight, and, particularly, talking to reporters?
Prof. Lederberg: No.



george richard photos

Nobel prize winners

1956 NOBEL PRIZE WINNER, JOHN BARDEEN '28



move to Stanford some months ago, indicating that his main reason was the better genetic research possibilities, in terms of facilities and personnel, at that university.

Both Drs. Tatum and Lederberg paid high tribute to the cooperation they received from others in the work that led to their \$41,420 prize, in which they share with Dr. George W. Beadle of California Tech. Said Dr. Tatum: "It is quite an overwhelming feeling, naturally. It is always gratifying to a scientist to have his work recognized and to feel that his work has contributed to human welfare and knowledge. I am sure I express the feelings of my colleagues when I say that it makes me proud and humble to represent America in the field of international research and understanding."

It was back in 1946 that Lederberg and Tatum first got together, in the latter's laboratory at Yale. Tatum was a pioneer in the study of biochemical genetics and he invited Lederberg—then a second year medical student at Columbia university—to work in his laboratory for a few months. These months lengthened into about a year; during this time Lederberg developed a selective test for recombination of bacteria, using the principle of drug resistance.

(continued on page 35)

the new look in student

a record building program means more room

NEW HALLS COLE, SULLIVAN AND HOLT



gary schulz photo

housing

for men and women

A MINOR WORRY of Newell Smith, energetic director of the University of Wisconsin Residence Halls, is finding names for 22 new undergraduate student living houses before the fall of 1959.

For, by the time next September rolls around, the University's residence halls capacity will be increased by more than 50 per cent to a total of 4,405.

This, one must continue to qualify, is undergraduate housing. In addition, there will be available by next fall nearly 650 married student apartments—most of them in the beautiful Eagle Heights area just west of Picnic Point.

Within the period of two years, then, the Residence Halls accommodations picture will have changed from one of famine to feast.

True, this bright picture is not expected to last indefinitely—not without further building, and possibly much more of it. But, for a year or two, until the effects of the big post-war baby crop are felt, Wisconsin Residence Halls will be relatively easy to get into—for both men and women, both inside and outside the state.

"In the past we've just *had* to discourage many applicants from even asking for rooms," Smith recalled the other day. "In fact, we've never accepted applications from out-of-state students.

"Now, of course, we're pleased that our increased capacity is going to put



george gamsky photo

RESIDENCE HALL DIRECTOR NEWELL SMITH,
ASSISTANT DIRECTOR LEE BURNS, NEW CHADBOURNE



EAGLE HEIGHTS APARTMENT CONSTRUCTION

the University's ratio of residence halls to total student population at a more desirable level."

This rather dramatic turnabout in residence hall room availability was responsible for the issuance recently of the first "promotional" publication ever to be directed at prospective halls residents.

While completion of the over-all residence hall development—by far the largest in University history—is scheduled for next September, a considerable part of it is already in use. Included in this category are the \$2 million Frank O. Holt units south of Kronshage halls. Here in Richard Sullivan and Llewellyn Cole halls, respectively, live 252 men and 250 women (the unit also includes a cafeteria). Both of these units were intended originally to be men's halls, and they may eventually revert to plan; however, the shortage in women's housing has generally been more acute than that for men—a theory based on the assumption that men are more able to live in marginal off-campus housing than are women.

The shortage of women's halls will be materially eased with completion of

new Chadbourne Hall, the 11-story, 600 co-ed landmark at the Park Street—University Avenue Corner, which is costing \$3,150,500.

Besides Chadbourne, one hall of the Elm Drive unit—just across the street from Kronshage—will have women residents. The balance of the 500 Elm Drive Hall residents, all male, will live in two other halls. (All large halls have a number of small "houses".)

Much of the financing for the new Residence Hall units was arranged through the federal college housing program, which offers relatively long-term, low interest loans. However, the \$3,500,000 Elm Drive halls, together with 100 married student apartments, are being financed through loans from the Northwestern Mutual Life Insurance Co. of Milwaukee.

No part of the Residence halls construction cost is being borne by the state of Wisconsin; in fact no tax funds have ever been used in residence halls building, except a portion of Barnard—built in 1912—and part of the cost of two small "modest rental" dormitories for men and women.

These latter halls, not operated by the

Wisconsin Alumnus, December, 1958



MODEL ROOM, COMMON TO BOTH MEN'S AND WOMEN'S HALLS

Division of Residence Halls but by co-operatives, were built as an experiment several years ago. Smith says they have been eminently successful and he'd like to see more of them.

But, he declared: "Neither appropriations nor gift funds to build more of these units has been forthcoming. None of the new halls we're building will require any state subsidy other than land. But when funds do become available we're hoping we can build more of the modest-rental units."

Even those familiar with the campus are startled at the burst of married student apartment construction in the Eagle Heights area. Here, where in 1957 about 100 units were put into service, 100 other apartments have been added this fall, and no less than 400 are now being built. Total next year: 648 apartments, including the 48 on Harvey Street.

All in all, 1959 will be a good year in which to be married and interested in the University of Wisconsin—whether you're interested as a prospective student yourself, or whether you are a parent with sons or daughters of college age.



DATE PARLOR AND LOUNGE IN NEW COLE HALL

What Price Grad Assistants As Teachers?

USE OF GRADUATE assistants in teaching laboratory and quiz sections in freshman chemistry classes at the University is practically inevitable. Moreover, the system produces uniformly high quality instruction. So Prof. Harvey Sorum told the Board of Regents in October.

He explained the inevitability like this:

First, not enough full time teachers are available; and

Second, the cost of employing full time staff members to teach the freshman classes would be prohibitive anyway.

Prof. Sorum pointed out other benefits of the system. The financial support enables qualified scholars to do graduate work; the system serves as a training ground for future college teachers; and the program provides senior staff members with graduate students to assist in research.

Critics of the plan have pointed to such disadvantages as frequent poor teaching, the high rate of turnover among grad assistants, and the amount of supervision required.

But in defending the quality of instruction, Sorum noted that 25 per cent of all entering freshmen fail to return as sophomores. "This represents a normal attrition for any top-ranking university in which admission is open to all resident high school graduates," he concluded.

Support for the grad assistant teaching plan was voiced by Sorum's 10 assistants, whom he introduced to the regents. Under questioning by Regent Harold A. Konnak of Racine, the assistants offered these observations:

1. The plan provides a personal testing ground for teaching of chemistry as a career. (Three of the ten indicated they planned to continue with college teaching while two more said they were undecided. The remainder were looking ahead to careers in industry).

2. Answering Konnak's query as to whether grad assistants were interested more in their pay check than in their students, the group conceded that the financial support was necessary for continuing their own studies but said it was "totally impossible" not to be interested in doing an effective teaching job.

3. One grad assistant from City College of New York, suggested that freshmen feel more free to seek out younger teachers for counsel than senior members, adding: "I know that as an undergraduate I was afraid to ask questions of my older professors."

campus

Want to know

Observatory Hi

HOW MANY acres of land are there on the University Campus? How thick is the ice on Lake Mendota? How high is that Radio Hall tower? Where is the Memorial Union?

That last question is the easiest one of all for the young man who sits in Wisconsin's own "isolation booth," answering a variety of queries that would do justice to any quiz show contest out.

For the tiny structure is firmly attached to the theater wing of the Memorial Union itself.

Some 199 cubic feet of air, 26 square feet of Park Street sidewalk, 47 square feet of Student Union wall, over 147 square feet of plywood paneling, the same amount of glass, and more than \$1000 went into the construction of this building known to most folks on campus as the Union Information Booth.

(For members of the Board of Regents the booth has another name, which is based on Regent Wilbur Renk's championing of the information booth back in 1951. Renk had been insisting for some time that people who came to the campus conferences would appreciate a center where they could register or get information. So since November 1, 1951, when the booth went into operation, it has been "Renk Hall" to the Regents.)

The booth has served its purpose well. Over 179,005 inquiries by some 138,375 students and visitors have been asked. Leading the list of commonly asked questions are inquiries about building and office locations, 20,445 of such queries having been answered by

Information booth

How deep is Lake Mendota's depth? The elevation of

How low the white bass are biting? Here's where to find out!

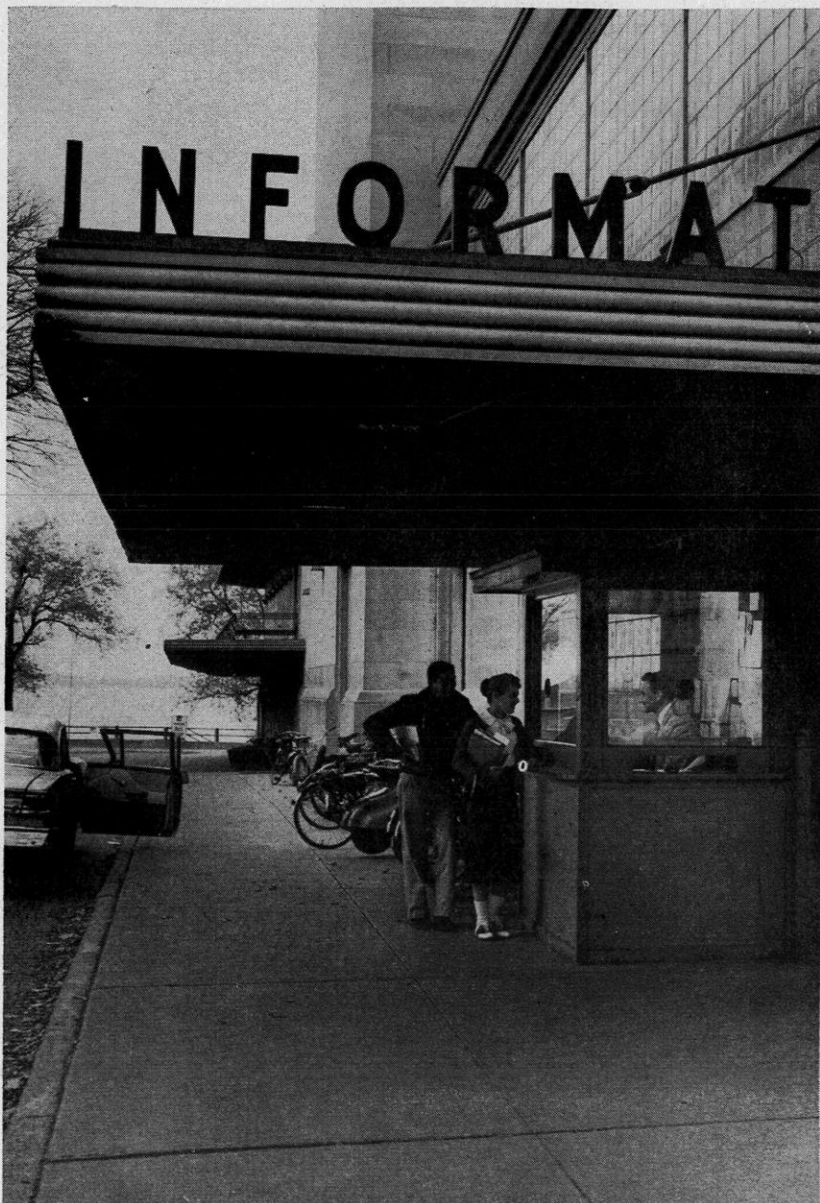
campus maps. Union hours, bus schedules, or parking permits are usually the run-of-the-day, but every once in a while stumpers do come up. One day, for instance, a rather seedy-looking character wanted to know where he could sell his body. He was directed, or possibly misdirected, to the U.W. hospital.

Answering queries which come, on the average, about one every 9 minutes is a young man named Dick Wentlan. He is the first male to man the booth. It was previously "womanned" by a succession of young women, often the wives of students.

During his daily 7:30 a.m.-5:30 p.m. stint when Dick isn't answering questions, he often obliges the Union by stuffing envelopes or licking stamps. All information booth dwellers, frequently bored to death within their claustrophobic confines, have welcomed any and all jobs of this kind.

To aid him in his duties, the 6 x 4 building is equipped with a typewriter, telephone, and two stools (one for guests). A radio (What's the score?) and thermostat add touches of luxury.

Although the familiar booth at the far west of the Union has stood for six years, it was, nevertheless, originally intended to be only a temporary structure (like a lot of other buildings on campus). In fact, the original concept of an information system was more extensive, including more and larger booths at other campus crossroads. Progress toward this end so far has been only to extend the hours of the present booth.



george gamsky photo

with alumni clubs

- BURLINGTON Founders Day** January 21
Speaker: UW President Conrad A. Elvehjem
Contact: James Hoffman, 605 Kendrick Ave.
E. H. Spitzer, Murphy Products Co.
- RACINE Founders Day** February 11
Speaker: UW President Conrad A. Elvehjem
Contact: Keehn Yeager, Ph. Melrose 4-3381
- CHICAGO ALUMNI** December 19
Christmas Bowl at 12 Noon
Richard C. Briel, Program Chairman
Union League Club
Contact: Wm. J. Sficos, Dearborn 2-2121 (Ext. 6564)
- NEW YORK** December 3
1958 Fall Banquet; Coach Milt Bruhn
Columbia University Club
Contact: Helen Ulrich, 5th Floor, 10 E. 44th St.
(OXford 7-8860)
- PHILADELPHIA** December 4
1958 Football Roundup; Coaches; Films
Germantown Cricket Club
Contact: Mrs. F. Clark Schoen, 3105 W. Coulter St.,
Philadelphia, Ph. GE 8-0371
- VALLEY CLUB, VAN NUYS, CALIF.** December 4
Theatre Party
Contact: Harry Geiger (Empire 3-1483) or Nate Volk
(State 2-9067)
- DALLAS, TEXAS** December 7
Buffet Dinner—Speaker: Basketball Coach H. E. Foster,
whose team plays at Rice December 6 and at Southern
Methodist on December 8
Contact: Charles A. Morsbach (Riverside 1-1137)
- FOX RIVER VALLEY** December 26
Christmas Party and Dance, Elks Club, Menasha
Contact: Mrs. Robert W. Johnson, 827 E. College Ave.,
Appleton (Regent 4-4365)
- MANITOWOC Founders Day** January 29
Speaker: Frank Graner, Commerce
Contact: Lance Hooper (Murray 4-8877)
- MILWAUKEE Founders Day** February 5
Speaker: Lem Boulware, General Electric V. P.
Contact: Edward Waterbury (Concord 4-2000, Ext. 602)
- WASHINGTON, D. C. Founders Day** February 25
Speaker: Pres. C. A. Elvehjem
Contact: Thomas F. Engelhardt (Ex. 3-6115, Ext. 2994)
- NEW YORK Founders Day** February 24
Speaker: Pres. C. A. Elvehjem
Contact: James L. Spencer, 2300 Stiles St., Linden, N. J.
(CO 7-1407-8)

PREVIEWS

By an experience

FOX VALLEY University of Wisconsin alumni, now in their sixth year of sponsoring Preview nights for high school seniors, look forward to the event as one of the most rewarding and satisfying of their club year.

The hostess's living room bulges with boys and girls, the family cat takes refuge in the attic and the neighbors have to abandon their cars two blocks from home because of students' cars—but it's fun for the adults, wonderful for the prospective college freshmen and a satisfying project for the Preview team.

For Wisconsin alumni clubs who haven't yet sponsored a Preview, I can recommend it heartily. Perhaps some information about how we go about planning one of these sessions would be valuable.

We begin planning our Preview as soon as we receive the go-ahead from Madison and a tentative date schedule. The first step is to clear the date with our high school dean's office to make sure there is no conflicting school activity, such as a game, dance, or party. Then the office of the dean of women sends us a mimeographed list of seniors' names and addresses, indicating with a check mark those whom she knows or feels would be interested in Wisconsin.

We mail personal invitations to these seniors—no *sooner* than 10 days before the meeting. An RSVP note asks to have them call the Preview hostess if they can come. (A note to potential hostesses: they never call until two days before, so you are sure there's going to be no one there. Most of them call at noon on the day of the meeting!)

We time a story in the local paper to appear on the day invitations are re-

why our club loves to sponsor them

Wisconsin Preview Hostess, Mrs. William T. Ducklow '44



MRS. DUCKLOW, SENIORS LISA KONZ, JOHN BAUMGARTNER

APPLETON PREVIEW: DIANE KOHLMETZ, SANDRA LEMKE, RICHARD CHRISTOPHERSON
HIGH SCHOOL STUDENTS RICHARD KOOEHN, AUDREY SMITH



ceived, and another in the high school paper, so interested students not otherwise contacted can come, too. We always request a photographer to take a picture on Preview Night for the *Appleton Post-Crescent*.

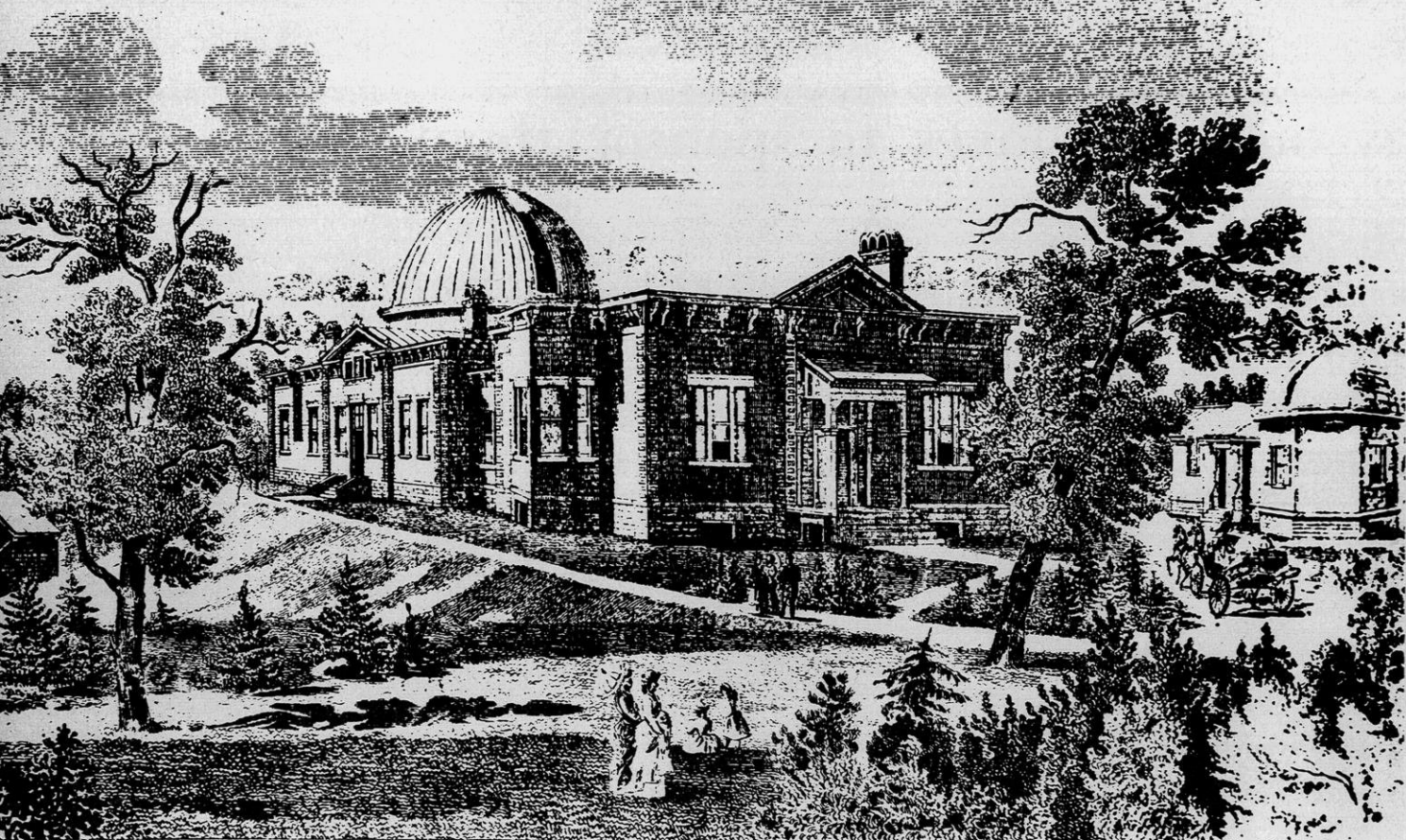
On that night, the hostess needs no more than one person to help uncork coke bottles and carry around trays of about 14 dozen cookies. (Previewers eat millions of cookies.)

We think the fewer adults present, the better. Once the high school students are there, the University people take over—and that's that!

We have had greatest success in having these meetings in homes. The atmosphere—apart from school—seems to put the youngsters at ease. They always seem to enjoy themselves and seem reluctant to break it up and go home.

Have we seen any results from our Pre-View Program? Well, take a look at some figures. In the last few years we have mailed invitations to an average of about 60 students. Attendance has run from 28 to 43. In the meantime freshmen enrolling on the Madison campus from Appleton High school in the last several years totaled 20 in 1953, 27 in 1954, 27 in 1955, 41 in 1956, 21 in 1957, and an as yet undetermined number in 1958.

From my eavesdropping at the bottom of the stairs, I suspect that while more questions relate to clothes, sororities and fraternities, and football later in the evening, the subjects the kids are most concerned about are housing requirements, scholarships and military service. They are all serious about getting information—no one appears to have just come along for the ride.



ARCHITECT'S SKETCH OF WASHBURN OBSERVATORY, 1881

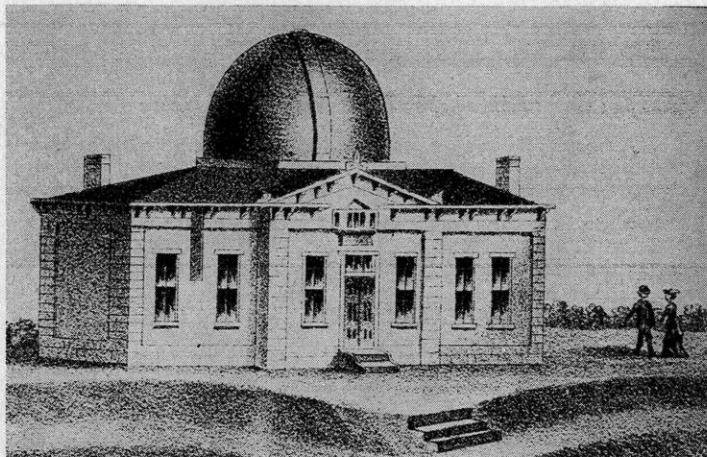
Washburn Obser

THE SITE OF the Observatory was selected by the Hon. C. C. Washburn upon one of the hills of the University Park, about 2000 feet west of the main entrance to the grounds. There are few finer sites in the world for quiet beauty. To the north is Lake Mendota, some four miles wide and ten long, a beautiful basin with verdant banks usually sloping gently to the water, but in places high and bold. To the east lies the town of Madison, embowered in trees. Between the College buildings and the town lies the University Park, with the College buildings and the *Campus*. To the south the country is lower than the Observatory site and is gently undulating to a range of hills some ten miles away. No better site could have been selected, situated as it is in the midst of a green plain, and protected on all sides from encroachment."

So read a description in Volume 1 of the *Washburn Publications*, published in 1881. Much of it—not *all* of it, since encroachment indeed has taken place—is as true today, more than three quarters of a century later.

By Joel H. Stebbins

*Emeritus Professor, Astronomy
Former Director, Washburn Observatory
Now staff member, Lick Observatory*



OBSERVATORY BEFORE EAST WING WAS ADDED IN 1881

History: a History

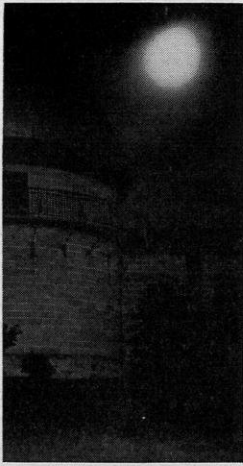
The circumstances surrounding the development of Washburn Observatory, one of the very first large gifts made to the University of Wisconsin, are particularly interesting.

In the later years of the nineteenth century American colleges and universities were beginning to give more importance to the study of science. In the 1880's, as a consequence, a number of astronomical observatories sprang up around the country. It was a few years earlier, however, that President John Bascom began looking around for a possible donor of an observatory at Wisconsin. When the subject came to the attention of Governor C. C. Washburn, who was on the Board of Regents, he told Bascom that he would take care of the Observatory.

Cadwallader C. Washburn was a prominent figure in Wisconsin at the time. Before becoming governor he had been a lawyer and a business man, and he retained heavy interest in a new flour mill at La Crosse. Early in the morning of the very day that he was to meet with the University Regents to fix the site of the new Observatory, private word came to

him that the flour mill in La Crosse had blown up. This catastrophe would have been bad enough at any time, but just then it was not clear whether or not the explosion of flour dust would be covered by fire insurance. As the story goes, Governor Washburn concluded that his business credit would be better if he went through with the Observatory gift than if he stopped. So he kept the appointment and the Observatory was located on the Hill where it now is.

The establishment of the new Observatory was an event of scientific importance in the Mid-West. An order for the main telescope was placed with Alvan Clark and Sons of Cambridge, Massachusetts; specifications were that the instrument should be larger and more powerful than the telescope at the Harvard College Observatory. The aperture of the Harvard telescope was 15 inches, and the aperture of the Washburn telescope accordingly turned out to be 15.6 inches. When it was erected in early 1879 it was third in size in the United States, being exceeded in aperture only by the Dearborn 18½-inch refractor in Chicago and the 26-inch instru-



Observatory Hill: fabled in story and song

ment at the U.S. Naval Observatory in Washington. Presently, the 15.6 inch ranks in aperture somewhere below fiftieth, I believe, since so many refractors and reflectors have materialized in the intervening years.

Washburn Observatory was further distinguished by its location, being further west than any observatory of pretensions in the country.

Appointment of the first director of Washburn Observatory had an interesting background. In 1854, the German astronomer, Francis Brünnow, came to the University of Michigan to take charge of the Observatory and department of astronomy. Brünnow brought with him the methods of a German university and lectured in broken English to despairing and diminishing classes until James Craig Watson was his only student. Watson had been largely self-taught before he entered college, but in due time he succeeded Brünnow at Michigan, and from Watson and his students developed the principal school of astronomy in the country at that time. Fully half of the leading American astronomers of the succeeding academic generations were trained at Michigan. Watson's own contributions to astronomy were mainly the discovery of a score or more of minor planets and the production of his classic treatise on *Theoretical Astronomy*, the best work in English on the subject for many years. The

late Professor Comstock once told me that he considered Watson to be the cleverest astronomer he had ever known; his only shortcoming was that he dispersed his energies over too many fields.

When Watson accepted an invitation to come to Wisconsin he was probably influenced partly by the conditions of work, partly by the size of telescope (it was three inches larger than the one at Michigan) and not least by the attraction of the residence on Observatory Hill. President Bascom, who was living there at the time, was to move to the new president's house on Park Street.

Just before coming to Madison, Watson had gone to Wyoming to observe the solar eclipse in July, 1878. During the darkness of totality he used his telescope to sweep the sky around the sun for the possible discovery of an unknown planet inside the orbit of Mercury. At the time he was pretty sure he had found two such objects not shown on the star maps of the region. Such was his enthusiasm that when he came to Madison he built from his own means the Watson Solar Observatory, a little stone building that long was a landmark down the hill below the main Observatory. From the cellar of this building a 12-inch tube led underground to a pier on top where a siderostat mirror could reflect any spot of the sky near the sun through a long-focus objective to an eyepiece below.

Watson did not live to give this device a thorough trial, but later under Director Holden it was found to have no advantage over an ordinary telescope.

Watson also built the long-lasting Students' Observatory with his own funds. But all of Watson's plans were cut short by an attack of pneumonia which took him off at the early age of forty-two, after only two years of service and before he had opportunity to make any scientific observations with the telescopes.

The next director of Washburn Observatory was Edward S. Holden, a skillful administrator who left in 1886 after four years to become director at Lick Observatory on Mount Hamilton, California. Following Holden to Washburn was George Cary Comstock, who until his retirement in 1922 served the University for 35 years—15 of them as first dean of the Graduate School. Astronomically speaking Prof. Comstock was a specialist in the observation and investigation of double stars; those students who came under his influence will remember, too, his dignified and austere bearing and his masterly command of the English language. To me personally he was a constant inspiration.

It was my privilege to succeed Prof. Comstock, and to be in turn succeeded in 1948 by Albert E. Whitford. It was the latter who saw through the shift from Washburn to the new Pine Bluff Observatory earlier this year, just before his departure for Lick Observatory, where he is now director. Since July 1, 1958, the director of Wisconsin's Observatory has been Prof. Arthur D. Code.

Down through the years, everyone connected with the Observatory has been impressed with the "quiet beauty" which its founders found so charming. And it is not easy for the Observatory now to give up this magnificent site. But a common fate of observatories everywhere is to suffer from the growth and encroachment of the communities where they are established.

So, too, at Washburn. As the disturbance from nearby buildings, the smoke, and the city lights increased, it was evident that the days of the Observatory were numbered. Prof. Comstock once told me that he thought the Observatory and residence would last as long as he would. This was about 1910; he retired

(continued on page 30)

compendium

After a lengthy discussion centering around scenic views of Lake Mendota, bulging enrollments, the beauty of formalized landscaping, the utility and charm of natural woodlots, and general aesthetics, the Regents in October directed the campus planning commission to recommend the best use of the area between Bascom hall and Lake Mendota.

Possible alternatives: a grouping of buildings centering around the Carillon Tower but leaving much of the woods "unspoiled"; a broad mall development from the north side of Bascom Hall to the Lake, similar to the present Lincoln Terrace mall, with buildings on either side; or maintenance of the *status quo*.

The *Alumnus* will offer the planning commission's findings as soon as they are available.

*

Prof. L. Joseph Lins, associate UW registrar, reported an all-time, all Wisconsin college enrollment peak of 60,230 day students of all classifications, with the largest increases reported in public colleges and in graduate enrollment.

*

Solution of a classic problem in organic chemistry—the total synthesis of yohimbine—was reported by UW chemists led by Prof. Eugene van Tamelen. Yohimbine is an alkaloid such as morphine, cocaine and strychnine, and is found in nature as a component of the bark of certain trees. Its effect as an aphrodisiac makes it important for breeding purposes in veterinary medicine, and, incidentally, is the basis of the tales of an African "love potion." Success in the synthesization project was culmination of four years' work.

*

Dr. H. T. Scott of the Wisconsin Alumni Research Foundation has warned milk consumers to check carton labels to insure that the milk they buy has been fortified with Vitamin D. "Homogenization and Vitamin D are not synonymous," he noted.

*

Deadlines for applications for postdoctoral and predoctoral fellowships offered by the National Science Foundation are, respectively, Dec. 22 and Jan. 5. Further information and application materials may be obtained from Fellowship Office, National Research Council, 2101 Constitution Ave. N. W., Washington 25, D. C.

*

A top University teacher—winner of a Kiekhofler award for this proficiency—has assumed administrative duties as an associate dean of the UW Graduate School. He is Robert Clodius, an agricultural economist.

*

For 40 years an old World War II "temporary" building served the Ag campus as barracks, laboratory and classroom. Finally, pronounced unsafe for any kind of further use, the old monster to the rear of the Stock Pavilion—the subject of Prof. R. J. Muckenhirn's classical designation pose—bowed to the bulldozer and the torch during the fall and is no more to be seen. ↓



UW Calendar

December 1958

- 7 *Annual Christmas Concert*, University Choral Organizations, Luther Memorial Church, 2:30 and 4:30 p.m.
- 7 *Lecture, "Forward?"* Prof. Walter A. Agard, Great Hall
- 7-8 *Tudor Singers Concert*, Tripp Commons, 6 p.m.
- 8-9 *Lecture Film* on Space Technology, B-10 Commerce Bldg. (repeat)
- 8-11 *Lecture Series*, Indian Art and Architecture, Dr. Walter Spink
- 8-12 *Management Institute*, Human Relations for Foremen and Supervisors
- 9-11 *Management Institute*, Leadership Skills for Engineers
- 9-13 *Wisconsin Players*, "Three Men on a Horse," Wisconsin Union Theater
- 10 *Management Institute*, Work Simplification in the Office
- 10 *Lecture*, "The Birth of a Culture," Dr. Raymond M. Crawford, Professor of History, University of Melbourne, 112 Bascom, 4:30 p.m.
- 10-12 *Engineering Institute*, Industrial Plant Maintenance
- 11 *Management Institute*, Work Measurement in the Office
- 11-12 *Management Institute*, Growth Through Product Planning (repeat)
- 12 *Concert*, William Dominik, Clarinetist, Music Hall 8 p.m.
- 12-13 *Union Christmas Craft Sale*, Cafeteria Exhibit Area
- 13 *Institute in Debate and Discussion*, for High School Students
- 13 *Wrestling*, Wisconsin State Collegiates
- 13 *Basketball*, Wisconsin vs Notre Dame
- 14 *University Chorus*, Music Hall, 3 p.m.
- 14 *Oratorio Concert*, University Presbyterian Church, 7 p.m.
- 15 *Basketball*, Wisconsin vs Missouri
- 15-16 *Lecture Film* on Space Technology, B-10 Commerce Bldg., Monday 7-9 p.m., Tuesday 3:30-5:30 p.m. (repeat)
- 16-17 *Concert*, Michael Rabin, violinist, Wisconsin Union Theater
- 17 *Lecture*, "Today and Tomorrow," Dr. Raymond M. Crawford, Professor of History, University of Melbourne, 112 Bascom Hall, 4:30 p.m.
- 19 *Basketball*, Wisconsin vs Washington (Seattle), and Iowa vs California
- 20 *Christmas Recess* Begins, noon.

The Pressure of Athletics in 1899

The letter reproduced on this page, written by University of Wisconsin President Charles Kendall Adams to the late William S. Kies, '99, is quite a switch. It also demonstrates a considerable presidential knowledge and appreciation of football and the team's rather desperate personnel problem!

OFFICE OF THE PRESIDENT

UNIVERSITY OF WISCONSIN
MADISON

October 31, 1899.

Mr. Wm. S. Kies:
Madison, Wis.

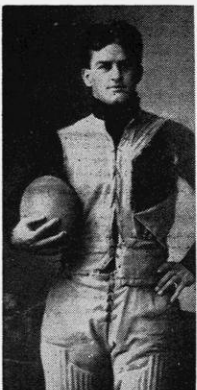
Dear Sir:

Last evening Mr. King and Captain O'Dea called upon me and represented that the Football team is in most desperate condition. The injury of Comstock and Peele threaten to take out of the team two of the most efficient men. It looks as though our hopes at the beginning of the season are in a way to be frustrated unless all available material can be brought back. My special object is to say that they are very desirous of having Cochems assume his position at left end. He is so much better than anybody else on this position that he feels that an extra effort ought to be made to get him back. He understands that Cochems is not unwilling to play, but gave his word to Athenae that he would not play beyond the Yale game. I hope, in view of these conditions, the members of the Society will not think it improper to allow him to play even though he is on the joint debate. This may interfere a little with his preparation, but I hope not so much as to make his playing out of the question. I need not say that I presume every member of Athenae realizes the importance of the games with Minnesota, Illinois and Michigan.

I write to you not knowing who the President of the Society is, and will ask you to bring it before the proper authorities.

Very truly yours,

C. K. Adams



EDDIE COCHEMS

sports

By James Mott

UW SPORTS NEWS SERVICE

Wisconsin's 1958-59 basketball team has now had seven weeks of hard work, and Coach Harold E. "Bud" Foster and his assistants, John Erickson and Fred Wegner, feel that the forthcoming season will be an interesting one, although they do not go on record predicting any championships.

Eight lettermen return, including forwards Bob Barneson, Eau Claire, and Fred Clow, Rockford, Ill.; centers Ray Gross, Stratford, and John Stack, Evanston, Ill.; and guards Brian Kulas, Wausau; Bob Serbiak, Milwaukee; Steve Stephens, Platteville, and Jim Rogneby, Cochrane.

Promising sophomores who figure highly right now include forwards Ivan Jefferson, Herrin, Ill., and Tom Jackson, Collinsville, Ill., center Bob Rossin, Mauston, and guard Jim Biggs, Chicago, Ill.

The Wisconsin cage team lost its two top scorers of last season, Bob Litzow, a forward, and Walter "Bunky" Holt, a guard. Litzow led the team in season scoring with 295 points, while Holt paced the team in Big Ten scoring.

Other losses included lettermen Glenn Borland, honorary team captain, and John Pamperin, forwards; and center Steve Radke. Sam Barnard, a 6-6 letterman forward, who tallied 19 points in his collegiate debut, is not on the squad this year.

An additional loss will take place at the end of the first semester this year when center Ray Gross, 6-7 senior, graduates. Ray started his competition as a sophomore in the second semester, and his three years will be at an end in January.

The Badgers finished the 1957-58 campaign with eight straight losses, all of them in Big Ten play, and the net result was the first tenth place finish for the cagers in the history of Wisconsin in Big Ten play. Foster and his aides have two men coming back from that team who appear to be fixtures—forward Bob Barneson, a 6-4 junior forward, and Brian Kulas, a 6-6 senior guard. Kulas has been the third highest scorer on the team his first two seasons, and Foster expects him to develop into a fine leader this year.

Pairing with Barneson at forward will be sophomore Ivan Jefferson, 6-3, or Tom Jackson, 6-4, or jumping-jack Fred Clow, a junior letterman at 6-3.

Working with Kulas in the backcourt, it appears to be either Jim Biggs, a sophomore who was on the 1956-57 freshman team but who devoted time to his studies last year, or Dave Mills, a scrappy squadman who has shown well to date, as the leading candidates.

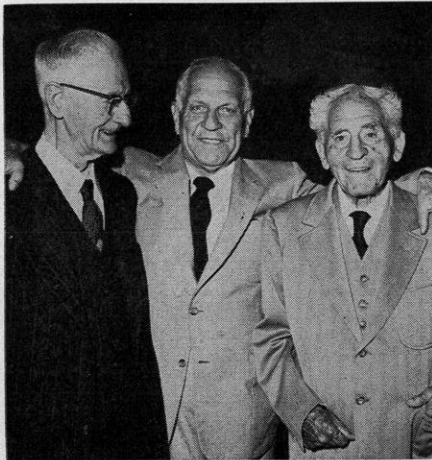
The big problem for Wisconsin, and it has been for a number of years now, is to find a 'big' man, and John Stack, a 6-8 junior, who played just three games last year, then was injured, appears to be the man who can step in and make the Badger offense go. Stack underwent a knee operation last spring, and everything looks good for him right now.

A nifty sophomore, Bob Rossin, also 6-7, needs plenty of experience, and should develop into a fine center before his playing days are over. With Stack and Rossin at center, Barneson, Jackson and Clow at forwards, Kulas and Biggs at guard, the Badgers should be a rugged rebounding team.

The schedule for 1958-59 is representative, with the home features being the Dec. 2 opener with Marquette at Madison, the Dec. 13 game with top ranked Notre Dame and its top stars, Tom Hawkins and Gene Duffy; the Dec. 15 meeting with Missouri; and the Dec. 19 doubleheader attraction in the fieldhouse — Iowa meeting California, and the Badgers tangling with Washington (Seattle). Non-conference games away include Rice, Southern Methodist, California (at Iowa City), and Butler. The 14 game Big Ten schedule opens January 3 at Minnesota, and against Illinois in the Fieldhouse on Jan. 5.

Big Ten Games

- Jan. 3—At Minnesota
- 5—Illinois at Madison
- 10—At Purdue
- 12—Michigan at Madison
- Feb. 2—Michigan State at Madison
- 7—At Ohio State
- 9—Purdue at Madison
- 14—Iowa at Madison
- 16—At Illinois
- 21—Minnesota at Madison
(above game is on TV)
- 23—At Michigan
- 28—Northwestern at Madison
- Mar. 2—At Michigan State
- 7—At Indiana



Headliners of "All-American Day" in California included all-time Wisconsin grid great Pat O'Dea '00, and "the Grand Old Man of Football", Amos Alonzo Stagg; the latter is 96, Pat is 10 years his junior but was still the oldest strictly All-American player present. They are shown, Pat at left, flanking Governor Goodwin Knight at the Oct. 30 affair.



A Maritime Affair

*UW alumnus guides
growing tanker fleet*

ALBERT J. RUDICK, deputy commissioner of the Bureau of Maritime Affairs of the Republic of Liberia.

That sounds a little like a position equivalent to "Admiral in the Swiss Navy", doesn't it?

But hold on to your hat.

In tanker carrying capacity, Liberia in 1956 was fourth only to the United States, the United Kingdom and Norway.

By
Hal Serrie '60

The key to this situation lies in the areas of taxes and operating costs. Varying as they do in different countries, they encourage shipping companies to take advantage of the "best deal" available. For example, a Norwegian vessel may be built in Japan with American funds and an American mortgage.

In 1948, Liberia, following the example of Honduras and Panama, formulated its laws to attract foreign shipping. Both low taxes and low operating costs were offered.

Since the official language of Liberia is English, and the currency used is the United States dollar, Liberia was in a particularly favorable position to gain by such a move. In addition, the Liberian republic's constitution is a simplified version of the U. S. Constitution, and the non-statute law is the Anglo Saxon Common Law.

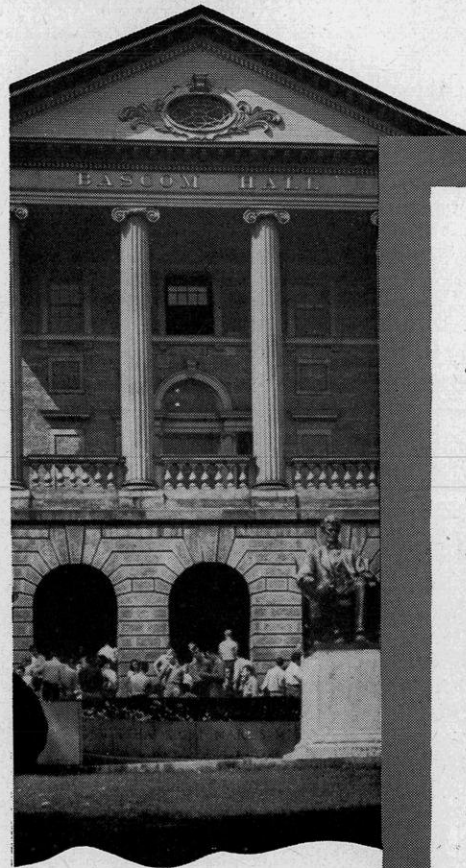
Says Rudick: "Our laws are such that American and other ship owners can increase their fleets and still run their vessels economically."

The agency which assists the Liberian government in maritime law administration is the International Trust Co. of Liberia, which is in charge of all details of Liberian flag registration of vessels. A chief supervisory official—the Commissioner of Maritime Affairs—is stationed at Monrovia, Liberia's capital, but the deputy commissioner in New York has full powers.

As a deputy commissioner, Rudick's job includes the direction of proceedings as ships of various origins become registered under the Liberian flag.

"With my office here in New York," says Rudick, "shipping officials know they can reach me at any time, day or night. Those with whom we deal know our policy and fees and they know they can get good service from us."

Rudick's immediate background for his maritime post, which he took over in 1955, was a position as assistant to the chairman of the board and the house counsel for the American-Hawaiian Steamship Company. He joined that firm after receiving a law degree from New York University in 1951. He is a Wisconsin School of Commerce graduate, and following his graduation in 1947 worked for several public accounting firms in the east.



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necrology

Albert F. BATES '94, Houston, Texas, some years ago.

Mrs. Minnie KINGSLEY Lindsay '87 (Harry), McCook, Nebraska.

Mrs. Lucy M. CHURCHILL Baldwin '91 (Frank S.), Newberg, Oregon.

Edward A. IVERSON '96 of Orlando, Florida.

Edward L. HARDY '93 of San Diego, California.

Thomas S. BELL '97 of Fox Point, Wisconsin.

Raymond J. WILLETTS '98, this year.

Harry R. CRANDALL '98 of Dousman.

George E. GERNON '99, secretary of the Gisholt Machine Co., Madison, Wisconsin.

Greta M. GRIBBLE '00 of Platteville.

Ard Hoyt ELLIS, '00 of Portland, Ore.

Mrs. Grace M. BALLANTYNE Frederick '02 (Alexander) Hollywood, Calif.

Anna M. MASHEK '04, retired Central High School teacher, La Crosse.

Charles A. LYMAN '04, Burke, Va., at Washington, D. C.

Thomas S. TRUESDALE '04, Bloom City store operator, of Richland Center.

Alonzo S. McDANIEL '05, consulting chemist and patent attorney, Washington, D. C.

Mrs. Anne McGOORTY McPartline '05 (Stephen E.), Evanston, Ill.

Mrs. Berenice HUNTER Hoffman '06 (Edward), Fox Point.

John B. HAGBERG '06, Phoenix, Ariz.

Lloyd L. SMITH '06, St. Paul, Minn.

Mrs. Mary E. THOMAS Stevenson '06 (J. W.), Kaufman, Texas.

Theodore Anton SCHOLZE '07 of Humbird.

Lewis SHERMAN '07, president of the Jewett & Sherman Co., Milwaukee.

Otto C. ROEHLING '12, Oxford, N. Y. William C. HAMMERSLEY '12, Madison post office employee.

Lura BLACKBURN '14, at Evansville, Ind. Ralph D. MORSE '14, furniture company operator, Grand Rapids, Mich.

James A. VINCENT '14, San Francisco, Calif.

Frank R. WHIPPLE '15, Jackson, Mich. Dr. James A. LAIRD '15, Appleton, Wis.

Walter PITZ '15, Detroit, Mich. Jackson J. SELLS '15, Fort Myers, Fla.

William R. CHURCH '16, New Milford, Ohio.

Mrs. Dora HAMILTON Ash '16 (Isaac Emery), Athens, Ohio.

Ernest J. PHILIPP '16, history teacher at Lincoln High school, Milwaukee.

Harry C. HUMPHREYS '16, Ronceverte, W. Va.

Dr. George H. WAHLE '16, Temple, Texas.

Mrs. Virginia GLEERUP Dasso '17 (V. G.), Los Angeles, Calif.

Max PHILLIPS '17, Washington, D. C. Nicholas C. SCHRAA '17, Oshkosh.

Hiram L. JOME '20, Greencastle, Ind.

Lily Anna ARZT '21, St. Louis, Mo.

Jacob J. SINAGUB '21 of the Midwest Insurance Agency, Madison.

J. F. FREDERICKSON '22, Madison Theater Guild, Madison.

Herbert A. STOLTE '22, Dallas, Texas.

Herbert WIBLE '22, attorney, Milwaukee.

Kenneth V. BRYAN '22, Purdue university, Lafayette, Ind.

Raymond J. POTTER '22, Joliet, Ill.

Dr. John Herschel BOWLES '22, Muncie, Ind.

Robert P. BARTHOLOMEW '23, Fayetteville, Ark.

Mrs. Laura GODBEY Lane '23 (Ernest P.), Rich Creek, Va.

Henry L. (Hank) CASSERLY '24, sports editor of *Capital Times*, Madison, Wis.

Thomas W. CROW, '24, East High school teacher, Madison.

Warner M. OGDEN '24, high school principal and teacher, N. Manchester, Ind.

Harry P. DUPUIS '25, Jackson, Mich. Edward C. HEGELER '25, New York, N. Y.

Florence B. WILLIAMS '25, Tulsa, Okla. Harold R. JOHNSON '26, Cathlamet, Wash.

Howard A. APLIN '26, retired teacher and athletic director, Colorado Springs, Colo. Elmer J. EMING '26, Univ. of Florida journalism department, Gainesville, Fla.

Elsie F. CALVIN '26, of Akron, Ohio.

Harold A. ARNOLD '27, associate agricultural engineer at the University of Tennessee, Knoxville, Tenn.

Walter W. FISHER '27 of Boise, Idaho. Dr. William P. O'MALLEY '28, Milwaukee.

Irvin ZASTROW '29 of the Western Electric Co., in Westfield, N. J.

John M. KELLEY, Jr., '29, a former federal prosecutor, of Miami, Fla.

Harvey G. HYLAND '29 of Wilmington, Del.

Mrs. Helen KAUFERTZ Ewing '31 (Willard) of Highland Park, Ill.

Irwin BEIGHLEY '31, Viola.

Clara BAEHR '31, Abbotsford.

Annie CAMP '32, Monticello, Ark., some years ago.

George C. BURNHAM '32 of Milwaukee. Leonard K. ASCHENBRENNER '32, Park Falls, Wis.

Carl AMUNDSEN '33, former principal of Washington Park High school, Racine, Wis.

Mrs. Martha SMITH Corpening '36 (Samuel L.) of Coatesville, Pa., some years ago.

John P. JURGATIS '37, vice-president of Swift & Co., Chicago, Ill.

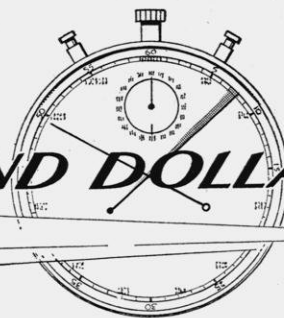
Roy W. OPPEGARD '37, Eau Claire high school teacher.

Mrs. Herma MAILING Grosman (Eugene M.) '38 of Glencoe, Ill.

Mrs. Helen WICKS Wright (Robert) '40, newspaperwoman, of Montello, Wis.

Dr. Thomas R. DALEY, Jr. '49, formerly of La Crosse, at Woodland, Calif.

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Lawyers Know Their Contracts

A Message From The
State Medical Society
of Wisconsin

A health insurance policy is an important contract. The State Bar of Wisconsin, the organization of all Wisconsin lawyers, recently went shopping for a group health insurance plan for its own members.

The State Bar chose the WPS-Blue Shield SPECIAL SERVICE plan, a completely new concept in surgical-medical insurance, developed by the State Medical Society for groups of five or more persons.

The SPECIAL SERVICE plan provides for FULL PAYMENT of the usual charges of physicians and their assistants and consultants up to \$1,000 per person for each illness.* These services include surgery, in-hospital medical care, radiation therapy, and anesthesia and diagnostic X-ray associated with surgery or maternity. There is no restrictive fee schedule.


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Write or call for complete information about WPS-Blue Shield plans. They're good contracts!

* WPS Contract S-101.

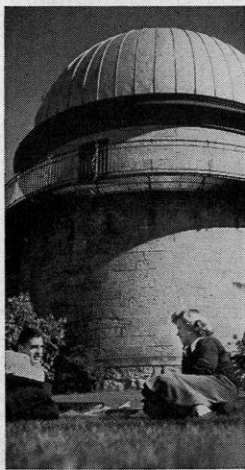


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look photo

the 80-year history of Washburn Observatory

(continued from page 22)

a dozen years later and his prediction has been amply fulfilled.

There is one particular advantage that the Observatory has gained by its location at the heart of the campus. That is the convenient contact with other departments of the University, especially physics, from which we have drawn facilities, ideas and, best of all, personnel. I hope this interchange will continue far into the future.

When the Observatory was founded, the methods of observational astronomy were practically all visual; astronomers actually looked through their telescopes. Later, of course, photography supplanted visual observations. At the Washburn Observatory the whole field of photographic research was skipped, and we jumped directly from visual to photoelectric methods. For the past thirty-five years the energies of the staff have been confined to the application of the photoelectric cell to astronomical observations. Among the fields of investigation have been the detection of small variations in the light of stars, studies of eclipsing and pulsating stars, measurements of magnitudes and colors of stars, and studies of interstellar material from the effects of selective absorption of light in space. My colleague, Prof. Morse Huffer, has been associated in all this work from the beginning, and Prof. Whitford was involved in it for about twenty-five years.

It was Prof. Whitford who engineered an epoch-making event at Wisconsin. He combined a photocell and an

amplifier in a vacuum tank, mounted it on a board, and pointed it through a tube out of a basement window at the Pole Star. After successful measures of Polaris, the device was transferred to the 15-inch refractor, where it worked without difficulty.

We used to say that this photometer, alone without a telescope, would detect a candle a mile away. Once we tried it with a real candle at a real mile by lighting a standard candle on Picnic Point, across the lake from the Observatory. We found that, with no optical aid except a blank tube to eliminate stray light, the photocell not only would give a conspicuous response in galvanometer current when exposed to the candle, but would show a detectable effect when the light was cut down to the equivalent of a candle at seven miles. On the 15-inch refractor the limit of detection would be a candle at about one hundred miles. Now with the new installation on the 36-inch reflector at Pine Bluff we should be able to detect a candle at 1000 miles.

For many years the Observatory here acted as a volunteer weather station, but this service long ago was taken over by a regular U.S. Weather Bureau Station on the campus. In the beginning the Observatory used to sell correct time to the local railroads (at Lick they gave it away) but these arrangements have been superseded. Nowadays, if you know how, you can have Bureau of Standards time by short-wave radio every second of the twenty-four hours.

Our modest telescope and deteriorating site have frequently made it advan-

tageous for our staff to take some of our equipment to observatories with larger telescopes and better skies. We have had the privilege of sending guest investigators to Lick, Yerkes, Mount Wilson, Palomar, Lowell, McDonald, Victoria in British Columbia and the Cape, Pretoria and Bloemfontein in South Africa. Of these expeditions, the longest-continued have been those to Mount Wilson, where for twenty-five years we have gathered the most significant observational data discussed at Washburn.

In the above listing of some of the world's foremost observatories, we also can trace a line of descendants. When Holden moved from Madison to Mount Hamilton, he took with him many of the ideas and methods developed here. The first set of *Reduction Tables for Mount Hamilton* were computed in advance by Comstock at Madison, and in a way the Lick Observatory is an enlarged edition of Washburn Observatory. As is well known, the Yerkes Observatory was more or less a copy of Lick, and then from Yerkes under Hale came in succession Mount Wilson and Palomar. The Washburn Observatory can well be proud of its descendants, but we must not forget our immediate ancestor, the Observatory at Michigan. We have done particularly well by the Lick Observatory; we furnished its first director, and now we have sent another. We also gave Lick Gerald Kron and Olin Eggen for the staff there.

While our Observatory was from the beginning primarily a research department, its responsibilities in a teaching university have not been neglected. An elective course in general astronomy has always been available, as well as courses in practical astronomy and navigation. Wisconsin has never specialized in the training of graduate students in astronomy, probably because a student can learn more where a staff has eight or ten members rather than one or two, but especially because the equipment available here did not lend itself to the solution of many promising observational problems. However, in the past ten years the number of advanced students has been increasing, and with the new telescope and additions to the staff we can look forward to more young astronomers trained at Wisconsin.

Over the years the Observatory has received numerous small grants from

outside research funds. It is probably true that during our 80 years we have either had a grant from, or have been turned down by, practically every outside agency that has funds for research in astronomy. But best of all has been the aid of the Wisconsin Alumni Research Foundation, which, through the University Research Committee, has furnished continued support, culminating in this new Pine Bluff Branch Station. Had it not been for this support, in fact, we should not have remained on the astronomical map.

We are too near in time, space, and person to estimate objectively the permanent value of the researches in astronomy at Wisconsin. All the directors of the Washburn Observatory have been members of the National Academy of Sciences, which should indicate that the work has been at least of temporary interest. It is the fate of most scientific work to be superseded, and ours will be no exception. The accurately observed positions of stars on the celestial sphere, and of double stars in their orbits, will remain of permanent value. Most of the variable stars discovered here will continue to vary for a long, long time, but new studies will make the first studies obsolete. A star once found to be reddened by interstellar material will remain in that condition, although it may grow brighter or dimmer on its own. We trust that the new Observatory will do its share in rendering obsolete what has gone before.

So the new Station is only a beginning. On modern standards the Pine Bluff telescope is not a large one—some of our sister institutions had 36-inch telescopes fifty years ago; we have only taken up the slack of the first thirty years of the Observatory. A radio observatory would make the present plant look small indeed. Nevertheless, if the staff can not do good and important work with the modern instrument in the favorable location, they could not do it anywhere. We wish our successors good observing, and of the nights to come we trust that many will be clear and dark on the new Observatory Hill.

*

(This article is part of an address at the dedication of the Pine Bluff Station of Washburn Observatory, June 30, 1958.)

alumni news

Before 1900

Thomas G. NEE '99, retired chairman of the board of the Acme Wire Co., has moved from Hamden, Conn., to Milwaukee.

1900-1910

Lina JOHNS '01, long-time Dodgeville high school teacher and area historian, recently celebrated her 88th birthday there.

S. S. HUEBNER '02, a president emeritus of the American College of Life Underwriters, has returned from a 40-thousand mile lecture trip on insurance subjects throughout Japan, the Philippines, Australia and New Zealand. He lives at Merion Station, Pa.

Two '06 classmates, Arthur B. MELZNER of Billings, Mont., and Louis DONOVAN took a vacation trip recently in Glacier National Park.

Minnesota Sen. Hubert Humphrey paid high tribute on the Senate floor to the efforts of Christian P. NORGORD '06 in connection with the latter's efforts to secure congressional approval of the successful humane slaughter bill. Norgord is retired from his American Humane Association position and lives in Chapel Hill, N. C.

Lee H. HUNTLEY '08 has resigned as chief engineer of the Brazos River Authority, Mineral Wells, Tex., after 51 years in engineering.

Mrs. Julia MURRAY '09 Zimmerman (W. S.) indicates she is planning to come back to the campus for her Golden Anniversary reunion next year. She lives in Whittier, Calif.

"The Loom Has a Brain." That's the newest book by Herman BLUM '08 of Philadelphia, and it touches upon many interesting parts of textile history, including the role played by Blum and President Coolidge in the naming of rayon. The chairman of the board of Craftex Mills Inc. is also having published a book called "Know Our Presidents" which we haven't yet seen.

Col. J. W. SPROESSER '09, former president and chairman of the board of the Merchants National Bank in Watertown, Wis., has retired and is living in Atlanta, Ga., where he served on active duty during World War II. Col. Sproesser was Watertown's first city council president under the city's council-manager system. He remains an avid Braves and Badger fan.

Robert Y. WALKER, Sr., '09 is a consultant and oil operator in Houston.

1911-1920

Hartwick M. STANG '16, M. D. in Hayward, Wis., has retired from practice.

Henry A. CHRISTIE '11 has retired from the Raymond Concrete Pile Co. and is living in East Orange, N. J.

W. R. WOOLRICH '11 has retired as dean of the University of Texas College of Engineering after many years in administration, including a period as chief scientific officer of the American Embassy in England, and research. He has written more than 100 papers and reports.

Dr. Paul BOUTWELL '12, professor emeritus of chemistry at Beloit and director of research and development for Dell Food Specialties Co.—recently honored as one of America's outstanding teachers—was also honored by Beloit College, which granted him an honorary degree at the same time UW President Conrad A. ELVEHJEM '23 received a similar distinction.

In Whittier, Calif., spending the winter with their son and daughter-in-law (R. S. C. WOLCOTT '39 and Martha McAFEE Wolcott '39) are Mr. and Mrs. R. D. WOLCOTT '13 and '15. The senior Wolcotts, we believe, had been living in Sarasota, Fla.; what turnabout is this—Floridians spending a winter in the West?

Philip SALISBURY '14, editor and publisher of *Sales Management* magazine in New York, was main speaker at the fall convo-

Evan P. HELFAER '20, president of the Lakeside Laboratories, Milwaukee, was featured in a "Business in Person" profile in the *Milwaukee Journal*.

1921-1930

Ralph L. JOURDAN '21 is vice-president of American Smelting and Refining Co. in the New York office.

Joseph J. LISKOVEC '21 is serving as president of the La Crosse board of education; he also is a member of the La Crosse library board of trustees.

Harold A. HOVDE '21, superintendent of the county home and hospital at Wycocena, has retired.

Curtis HATCH '22 has resigned as head of the 28,000 member Wisconsin Farm Bureau Federation.

Dr. Loyal DURAND, Jr., '24 and family are back at the U. of Tennessee after a year as a visiting professor in economic geography at the University of Hawaii.

Ralph E. PETERSON '22 of Berlin has relinquished his position as a director of the Wisconsin Farm Bureau.

The Rt. Rev. Arthur C. LICHTENBERGER '22 has been elected presiding bishop of the Protestant Episcopal church and will headquarter in New York to rule over a denomination of 3,163,000 members with 7,290 parishes and organized missions.

Arthur TOWELL '23 is head of the Madison advertising firm which bears his name and which received a number of awards given by the Affiliated Advertising Agencies Network.

The editor of the Waukegan *News Sun*, George G. CRAWFORD '23, was named Lake County Newsmen of the Year.

Vicente Albano PACIS '25 has been selected director of public relations for SEATO, the Southeast Asia Treaty Organization. He expects to reside in Bangkok, Thailand, during the next one or two years and to travel through member countries.

Mrs. Ruby Lake Jones and Joseph T. WOLTERS '25 were married and plan to live in the Oakland area.

Robert B. REYNOLDS '26, after reaching retirement age at Hollingsworth and Whitney Div. of Scott Paper Co., joined the Alabama College faculty at Montevallo, Ala., as a professor of chemistry.

Dr. Ralph N. TRAXLER '26 is supervisor of asphalt research at Texaco's Port Arthur-Port Neches, Texas, research laboratories.

A recent visitor to his home town of Wisconsin Dells was Lawrence D. BARNEY '27, American president of the international pharmaceutical firm of Hoffman, La Roche, Inc.

The federal judge who has been involved in Madisonville, Ky., school integration questions is Henry L. BROOKS '27.

Dr. Cyrus G. REZNICHEK '28 was elected speaker of the Congress of Delegates of the Wisconsin Academy of General Practice.

Dr. E. O. SCHALLER '28 is new associate dean at the New York University School of Retailing.

Engineer William Z. LIDICKER '27 has been in Taipei, Formosa, for his New York firm of Tibbett, Abbott, McCarthy and Stratton.

Also in Taipei, for the J. G. White Engineering Corp., has been John GODSTON '28.

Dr. Delbert L. GIBSON '28 has joined the UW Extension staff to teach French at Green Bay, Sheboygan and Manitowoc Extension Centers.

Donovan EASTIN '29 has left his post as executive director of the Wisconsin Neurological Foundation in Madison to become advertising manager of the Dayton Co. of Minneapolis.

Felix QUIRINO '29 is reliability coordinator of Convair, a division of General Dynamics Corporation, at Fort Worth.

Eldon J. CASSADAY '30 has a state department assignment at the U. S. Embassy in Caracas, Venezuela.

1931-1940

Appointed judge of Dane County Court was Carl FLOM '31.

Dr. Morris WEE '31, pastor of Madison's Bethel Lutheran Church, journeyed to the Bible lands in Israel to gather sermon material.

Dr. Doris JOHNSON '32, director of the department of dietetics at Grace-New Haven Community Hospital, New Haven, Conn., has been named president-elect of the American Dietetic Association. She is the author of several books and a number of papers on cookery and dietetics.

Winston BROWN '33, superintendent of schools for Waukesha county, is president-elect of the National Association of County and Rural School Superintendents.

Alan D. FREAS '33 is now assistant to the director of the U. S. Forest Products Laboratory in Madison.

William A. NOSIK '33, M. C., is president of the Ohio State Neurosurgical Society and editor in chief of the Cleveland Academy of Medicine *Bulletin*.

An Exceptional Civilian Service Award for "outstanding service to the United States government" the highest civilian decoration awarded by the Secretary of the Air Force—was awarded to Robert O. BLAU '34. "The success of his scientific achievements has received international recognition," the citation stated. Blau resides at Alexandria, Va., and is formerly of Madison.

Warren D. LUCAS '34 has been named Dane County Circuit Court commissioner.

Among county agricultural agents cited for outstanding contributions to agriculture at the National County Agents Association meeting were Wayne NETTLETON '33, Crandon, J. W. CLARK '37, Madison, and Michael DROZD '35, Port Washington.

Dr. L. L. SANFORD '34 is a chest specialist at the U. S. Veterans Chest Clinic in Pittsburgh.

Ruth WERNER '34, an associate professor in the school of social science at Western Reserve university, is on leave of absence for a year to attend the University of Chicago.

Leo H. SCHOENHOFEN '36, senior vice-

Leaders read the
Kiplinger Letter
every Monday morning

cation of the UW Journalism School in October.

W. H. LOERPABEL '15 has retired from his position with the American Smelting and Refining Co. and is living in Tucson, Ariz.

America Illustrated, the Russian-language magazine published by the U. S. Information Agency and distributed in the Soviet Union, recently featured a story on Jack TRANTIN '15 and his unique Waunakee foundry at which he makes special kinds of steel.

Metropolitan Milwaukee has encroached upon the area near Howard T. GREENE's '15 Brookhill Farms near Genesee Depot and the farm's dairy herd has been sold. The firm's special dietary milk enterprise, however, will be continued, using milk from other farms.

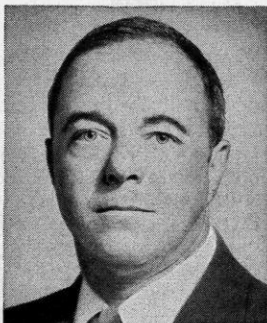
Ferdinand BICKEL '15 recently retired as an explosives expert with the DuPont Co., and we'd soon like to tell you a lot more about his interesting life work.

The *Milwaukee Journal* recently told the story of Mr. and Mrs. James HEVENER '17 of St. Paul, who habitually spend their vacations in the Memorial Union on the Madison campus.

James G. DICKSON '17, UW plant pathology professor, has been named president of one of the largest scientific organizations in the U. S.—the American Institute of Biological Sciences.

A special UW journalism research award has been named for the late Raymond BILL '17, business magazine publisher and editor.

SPECIAL REPORT



Mr. HENRY H. COBB, JR. NEW YORK LIFE AGENT
at BIRMINGHAM, ALABAMA

BORN: October 8, 1920.

EDUCATION: Princeton University, A.B., 1943.

MILITARY: U.S. Army—First Lt., Field Artillery; Feb. 12, 1943–October 12, 1945; Distinguished Service Cross, Purple Heart. U.S. Army—Major, January, 1951–November, 1952.

REMARKS: After being released from active duty as an Army Lieutenant with an outstanding service record, Henry H. Cobb became associated with New York Life's Birmingham General Office. This was on October 13, 1945. He was recalled to active duty during the Korean War and returned to New York Life in 1952 to resume his career. Henry Cobb's enthusiastic approach to solving his clients' insurance problems and his congenial manner helped him roll up an impressive sales record—one which has qualified him for the Company's Presidents Council. In 1958 he was first to qualify for New York Life's new honor designation—Group Millionaire. He added to these honors by winning membership in the industry-wide Million Dollar Round Table of which he is a 1958 Qualifying and Life member. His performance thus far makes it possible for Henry Cobb to look forward to an even more distinguished future as a New York Life agent.

Note

Henry Cobb is now established in a career as a New York Life representative that is providing him with security, substantial income and the deep satisfaction of helping others. If you'd like to know more about such a

career for yourself with one of the world's leading insurance companies, write:

NEW YORK LIFE INSURANCE CO.

College Relations Dept. L-5
51 Madison Avenue, New York 10, N. Y.

president of the Container Corporation of America, Chicago, has been re-elected a director of the National Paperboard Association.

Kenyon C. KIMBALL '36 is new executive vice-president of the First National Bank of Menasha.

Joseph A. LISKA '36 is chief of the Forest Products Laboratory's physics and engineering division.

Mrs. Caryl MORSE Kline '36 (H. V.) was a candidate for Congress from the 35th District of New York.

Dr. Luther A. ARNOLD '35 is an associate professor in physical science education at the University of Florida, Gainesville.

Racine attorney John F. THOMPSON '36 is one of nine lawyers to write a series of handbooks used in a UW Extension division law seminar.

Prof. Harry Deane WOLFE '36 has joined the UW faculty in commerce and journalism.

Dr. Herbert J. DUTTON '35 of the USDA Northern Regional Research Laboratory at Peoria recently participated in two international scientific meetings.

A full professor of obstetrics and gynecology at The George Washington University school of medicine is Dr. Robert H. BARTER '37.

Col. Daniel M. LEWIS '38 is new chief of information services for the Military Air

Transport Service, Scott Air Force Base, Ill.

Martial H. LEDVINA '37 has joined the Two Rivers law firm of Muchin & Muchin.

Thomas E. FAIRCHILD '37, associate justice of the Supreme Court of Wisconsin, will serve as state chairman of Brotherhood Week Feb. 15–22, 1959.

Author Herbert N. KUBLY '37 has been writing a series of articles for *Holiday*, including one on Madison which will appear in a future issue.

Eleanor BOWDEN '37 is librarian at the Janesville Senior High school.

Cited by the Wisconsin Association of School Administrators for 25 years of service was H. H. THIES '37, head of the Sauk County Teachers College.

Gerald W. NOLL '38 was appointed Beloit's first full time city attorney.

Howard TEICHMANN's '38 new play, "The Girls in 509" lets fly at politicians, newspapers, drama critics and journalism schools. Teichmann's regular job is teaching dramatic writing at Barnard college.

Dr. Ralph M. Hill '38, Mountinside, N. J., has been appointed a senior research associate of Esso Research and Engineering Co. He is head of chemicals information in the firm's technical division, and his appointment is a result of his outstanding work with the firm.

Arthur CIRILLI '39, Superior attorney, was elected president of the University of Wisconsin Board of Visitors.

Toivo GUSTAFSON '39 is Walworth county school psychometrist.

William A. GESME '39 is a junior executive with the Kemper Insurance company of Chicago.

Florence Mary KLECZKA '40 and Felix George Furmanek were married in Milwaukee, where she is an assistant professor at the UW–M.

1941–1945

Art WAGNER '41 was musical director of "New Girl in Town" with Joan Blondell at the summer stock theaters of Oakdale (Conn.) and Warwick, (R.I.) this past summer. For the past few years he has been pianist for hits, "New Girl. . ." and "Damn Yankees," as well as assisting in choral rehearsals and coaching new people in the shows.

New superintendent of schools at Marshfield is Ronald R. EASTMAN '41.

John Value DENNIS '41, an ornithologist, is living at Leesburg, Va.

Bob CARMAN '42 is writer of the NBC-TV "County Fair" show, after having successfully written many radio shows over the years.



TRYING TO PAINT THE LITTLE GREEN WAGON RED

UW-M Not Color Blind, Band and Students Demonstrate

BACK BEFORE the school colors of the University of Wisconsin-Milwaukee were designated cardinal and white, the colors of distinction up on the Kenwood campus were green and white.

The colors displayed by the marching band, however, never did take on the new hue. Reason: no money for new uniforms—and that's a familiar tune at the University.

Finally, at Homecoming time the band rebelled. What kind, they said, of school spirit is this? So they paraded in cardinal colored sweatshirts.

Aroused, the UW-M student body decided to sponsor a "get on the band-wagon" campaign, and raise \$6,000 for new uniforms—which of course will be red and white.

The drive opened November 10, closed twelve days later following a dance, a sale of booster buttons to students and alumni, a band queen contest, and some heated hula hoop competition.

To transport the buttons around the campus, the band resurrected an old State Teachers college wagon. This also served for the publicity picture above, with campus school sixth grader Tom Bayley pulling band member Bob Holt of Baraboo in the green and white conveyance.

The drive was reminiscent of the Alumni Association-spearheaded drive of 1952 which sent Wisconsin's band to the Rose Bowl and then equipped them with new uniforms—which are still in use.

Alfred C. INGERSOLL '42 is associate professor of civil engineering at the California Institute of Technology, Pasadena.

Benoni O. REYNOLDS '42 received his M.B.A. degree from Denver U.

Irene SCHMIEDKE '43 is second Winnebago county supervisory teacher.

Mrs. G. Viola Birge McCOMBS '43 has had a lively life, enjoying careers as school teacher, librarian, saleswoman and librarian again. . . this time in Bellevue, O.

Barbara BLUMENFELD '44 and Rollin A. ENDRES '54 are married and living in Madison.

Don LEVY '44 is general manager of Community Acceptance Corp., Chicago commercial banking firm.

Maj. and Mrs. Robert E. LISTOU, and their four sons are living in West LaFayette, Ind., where he is studying under an Air Force program for a degree in industrial management.

Franze Edward LUND '45 has been installed as president of 135-year-old Kenyon College at Gambier, O.

Joyce YANNY '45 Tenny is director of Tenny Associates, an advertising and public relations agency at New Paltz, N.Y.

Frederick F. HANSEN has been promoted to general manager of the automotive division of Blackhawk Mfg. Co., Milwaukee.

Patricia EWEN '48 and her acquisitions in 21 countries, from pottery to precious stones, was written up in the *Milwaukee Journal* after she returned from 18 months abroad. She was a librarian in that city before she started out on her travels.

Seymour (Sy) SHERMAN '48 now is a sales engineer with the Lanzi Corrugated Box Co. of Chicago.

Roderick L. SMITH '48 is a field engineer at the Indianapolis District Office of the Norton abrasive products firm.

Lawrence A. ABLER '48 received from Occidental College, Los Angeles, a Ph.D. degree pursued under the Intercollegiate Program of Graduate Studies, which involves seven colleges in the area. He is now teaching English and the history of civilization at Occidental.

Herbert FRANCIS Jr. '48 is on the English faculty at Emory U., Georgia.

Dr. Elaine E. BONEY '48 is assistant professor of foreign languages at Texas Tech, Lubbock.

Dr. Donald J. NEWMAN is associate professor of sociology at St. Lawrence U. at Danton, N.Y.

Richard G. GIBSON '49, has entered into partnership with E. L. VANDERJAGT '21 in a firm of certified public accountants at Milwaukee: E. L. Vanderjagt & Co.

To Mr. and Mrs. Robert A. Hedges (Jane BRACKETT '49) on August 13: a daughter, Barbara Jan.

To Mr. and Mrs. Loring MANDEL '49 (Dorothy BERNSTEIN '49) on October 8: a son, Joshua.

Marlowe NELSON '49 is a sire analyst with the Southern Wisconsin Breeders Cooperative in Madison.

Gerald HIKEN '49 has a small role in the early scenes of a new motion picture "The Goddess."

two more Nobel prize winners

(continued from page 11)

Working with certain strains of a bacteria species known as *Escherichia coli*, Lederberg and Tatum mixed two different strains in a culture. Thereupon they observed a third strain possessing characteristics of each of the different original strains.

Lederberg recently explained some significance of this discovery to *Wisconsin State Journal* writer Donald Davies:

"Up until 1946, there were literally no works on genetics of bacteria; no genetic analysis had been made. It was not an issue that was discussed because no one questioned the seemingly valid fact that bacteria reproduced only by vegetative division. The field lay dormant. The experiments that we did could have been done 50 years ago, but were not."

With the sexuality in bacteria proven, an entire new concept of microorganisms can be developed.

Mr. and Mrs. Bob KREIMAN '49 of Prospect Hts., Ill., now have months-old Jacqueline May plus two- and a-half year old Jody Elizabeth.

James L. VERBER '49 of Sandusky, O., is with the Ohio Department of Natural Resources in the division of shore erosion.

Mr. and Mrs. Roger BERNARD (Mary LUETZOW '49) now reside in Aurora, Ill., with their three children. Roger is now employed as a designer with the Caterpillar Tractor Co.

Don R. MARCOUILLER '49 has written a new book "Marching for Marching Bands." He is now director of bands at Drake University.

Virginia Rae KROENER '50 has been named recipient of a \$1,000 Mead Johnson Award for graduate study in the field of dietetics. She is studying at Wisconsin.

Chaplain and Mrs. Philip J. LYON '50 (Irma REYNOLDS '51), at Elmendorf A.F. Base in Alaska, announced the arrival of Peter Andrew on 21 September.

Mr. and Mrs. Robert ROCKWEILER '50 are in Bogota, Colombia, where he is attached to the U.S. embassy as an expert in education.

Gerald McCARTHY '50 is on the staff of the State School for the Visually Handicapped at Janesville.

Dr. Fred G. BLUM Jr. '50 has completed a residency in ophthalmology at the U. of Michigan and has been appointed to a Heed fellowship on the retinal service in the department of ophthalmology at Washington University in St. Louis, Mo.

New acting principal at Emerson school at Madison is Charles QUINN '50.

Wilfred T. JOHNSON '50 is resident general manager of the Wisconsin Alumni Research Foundation properties in the Wisconsin Dells area.

Donald BONGEY '50 has opened a drug store in Verona and is living there with his family.

Doris M. CRUGER '50 is now head of adult services for the Appleton Public Library.

Hubert HAFS '50 is farm and home development agent in Crawford County, and will make his home in Prairie du Chien with his family.

Donald J. LAVIN '45, recently president of the Canton Advertising Club, has been elected to the board of directors of the Canton Red Cross.

1945-1950

James A. LARSEN '45, UW News Service science editor, is author of a new book "Exploring the Unknown."

Mr. and Mrs. Walter E. NITCHER '46 are living in Columbus, Ga.

Keith and Jean (Van OUWERKERK '47) BROWN '46 report the addition of Nancy Jean to the family, making them five in all. Keith is an industrial sales engineer for Socony Mobil Oil Co.

Dean of Agriculture and Director of the Experiment Station at South Dakota State college at Brookings is Dr. Orville G. BENTLEY '47.

Michael ZACCONE '47 is studying opera at the La Scala Conservatory in Milan. In addition to considerable amount of operatic activity around Los Angeles, he had been assistant chief engineer with the Hammong Mfg. Co. there.

Margaret M. DWYER '47 is on the faculty of the Loyola U. (Chicago) School for Social Work.

Arthur H. LEHMAN '47 is superintendent of schools for the Winneconne community school district, one of Wisconsin's original and largest consolidated school districts.

Dr. David J. NOLL '47 of Madison is a specialist in anesthesiology.

Morton WAGNER '49 has been named general manager of the Bartell Radio enterprises station KYA, which has the very striking address of Number One, Nob Hill Circle, San Francisco. Mort's rise in the broadcasting world has been drawing considerable comment in various communication media, too.

In principle, strains of bacteria can be made to order, as molds, plants and animals are now "reconstructed". In fact, some of this breeding has already been begun. Production of drugs is one of its most immediate applications, and a member of the Nobel Prize committee was reported to have hailed the Lederberg-Tatum work as being important in the search for a cancer cure.

Dr. Tatum's laboratory at Yale, by the way, not only served as locale for the beginning of Nobel prize winning experiments. It was where Lederberg met his wife, Esther, who has since been an invaluable project associate of her husband. She has become an alumnus of Wisconsin since her arrival on the campus in 1947, when her husband accepted a post as assistant professor of genetics. She was granted her Ph.D. degree in genetics in 1950.

1953

Joanna SHERMAN is a new director of Madison Atwood Community House.

Robert JUDY is agricultural extension adviser in Somali, Africa, working for the International Cooperation Administration.

Helen GURKOW is working toward her M.D. at Marquette U.

Richard J. SCHOOLS is with Shell Development Co.'s Emeryville, Calif., center.

1954

Joyce Lee SHOBER is with the library reference department of the University of California at Santa Barbara.

David Clare LEE is a staff writer with the Minneapolis Star and Tribune Co.

Kishio MATOBA is teaching art at Emerson school in Madison, where he lives with his wife, two daughters and three cats.

Laura Ann arrived on Oct. 12 at the Mr. and Mrs. Byron BARRINGTON (Barbara MORLEY) residence.

Dr. James R. ALLEN is on the biology staff at Bucknell U., Lewisburg, Pa.

Stanley KAHAN is a speech instructor at Bowling Green State U., O.

Arthur K. NELSON is a chemistry instructor at Marquette.

Donald A. HASSE is again with the research and development division of DuPont's Polychemicals Department as a chemical engineer at the experimental station near Wilmington.

1955

Robert B. McCONNEL is associated with a Madison law firm.

Coralee A. STOKKE is personnel director at Perkins Timberlake Co., a Wichita Falls (Texas, that is) department store.

Merilyn ROTH is teaching physical education at Mishicot Community High School.

James PRICE is assistant coach and physical education instructor at Elroy High school.

Howard Lee JACOBS is a psychologist in Morristown, N.J., public schools.

John E. MIELKE, UW medical student

Moral: Is Your Address Up-to-date?

The other day, a man, who will remain unnamed, dashed off this note and sent it in the general direction of the University of Wisconsin's alumni office:

"My brother . . . has not lived in (this city) for over 40 years. During that entire period I have been the happy recipient of all his communications from various organizations having their roots in the University of Wisconsin. Some I have forwarded to him, others I have returned marked 'Not Here,' but most have gone into the waste basket. His present address is."

Regents Welcome Gifts, Grants

Gifts

Kiwanis Club of Richland Center, \$10; W. F. Mabbett, Madison, \$5; Evan P. Helfaer Foundation, Milwaukee, \$250; Madison Garden Club, \$25; University of Wisconsin Alumnae Club of Minneapolis, \$200; Tobacco Industry Research Committee, New York City, \$500; Archer-Daniels-Midland Co., Minneapolis, \$500; Madison Branch of the American Association of University Women, \$100; The Oaklawn Foundation, New York City, \$2,800; Dr. Mary Kohl, Ray Brook, New York, \$5; Children and teachers of Washington High School, Neenah, \$60; Sylvester F. Murray, Lima, Ohio, \$10; Wenner-Gren Foundation for Anthropological Research, Inc., New York, \$600; Friends and neighbors of the late Gary Grignana, \$253; Senior Class of 1958, \$100; American Cyanamid Co., Lederle Lab. Div., New York City, \$1,200; The Milwaukee "W" Club, \$100; The Alexander and Margaret Stewart Trust, Washington, D. C., \$22,500; American Jewish Tercentenary Committee of Wisconsin and the Milwaukee Chapter of the American Jewish Committee, (UWF) \$7,853.25; Rock County Bankers' Assn., \$400; Monroe County Bankers Assn., \$250; Socony Mobil Oil Co., Inc., New York, \$400; Communications Workers of America, Washington, D. C., \$500; A. A. Quisling, Madison, \$500; Karl Paul Link, Madison, \$50; Mischa J. Lustok, Milwaukee, \$100; Paul F. Clark, Madison, \$50; Friends and neighbors of the late Mrs. Myrtle Tyler, \$386; S. B. Penick & Co., New York, three kilograms of veratrine, NF V, (valued at \$890); Mrs. W. O. Richtmann, Madison, 70 volumes from the library of her late husband, Prof. W. O. Richtmann, (valued at \$150); American Federation for Clinical Research, Minneapolis, \$625; Watt Publishing Co., Mount Morris, Ill., \$450; The Wm. S. Merrell Co., Cincinnati, \$500; Kimberly-Clark Foundation, Inc., Neenah, \$2,160; The Civic Fund, Kalamazoo, Mich., (UWF) \$500; Ninety Nine Club, Sheboygan, \$10; Dr. William Merkow, Waukesha, \$100; Parke, Davis & Co., Detroit, \$7,500; Central Bureau of Research of the American Otological Society, Inc., New York City, \$300; George K. Tallman Trust, (UWF) \$1,000; General Foods Corp., Hoboken, N. J., \$3,000; The National Society of the Colonial Dames in Wisconsin, \$300; The State Bankers of Elkhorn, \$400; The Pfizer Foundation, Inc., Brooklyn, N. Y., \$2,500; Friends of the late Clinton Karstaedt of Beloit, \$11; Anonymous, \$278.75; Alumni Chapter of Phi Beta, Madison, \$380; Beth Israel Center, Madison, \$200; Employees of Frazer and Torbet, CPAs, (UWF)

\$987.50; Oscar Rennebohm Foundation, Inc., (UWF) \$1,000; Mrs. Cecil Burleigh, Madison, \$10; Edward A. Uhrig Foundation, Milwaukee, \$1,000; State Bar of Wisconsin, \$260; Ella May Jones, Muscoda, \$25; Government of France, \$500; Various contributors, \$277; Mr. and Mrs. Maxwell F. Rather, Upper Montclair, N. J., \$8,000.

Grants

Wm. S. Merrell Co., Cincinnati, \$1,700; Esso Research and Engineering Co., Linden, N. J., \$2,000; Alfred P. Sloan Foundation, Inc., New York, \$10,350; Allis-Chalmers Manufacturing Co., Milwaukee, \$2,500; Pitman-Moore Co., Div. of Allied Labs., Inc., Indianapolis, \$5,500; Brewing Industries Research Institute, Chicago, \$18,000; Wisconsin Heart Assn., Milwaukee, \$102,645; the Association of American Soap and Glycerine Products, Inc., New York City, \$12,195; American Cyanamid Co., Princeton, N. J., \$1,500; Mink Farmers' Research Foundation, Milwaukee, \$5,500; The Honey Industry Council of America, New York, \$1,500; Muscular Dystrophy Assns., of America, Inc., New York, \$1,000; Wisconsin Cannery Assn., Madison, \$245; National Consumers' Committee for Research and Education, Inc., Cleveland, \$1,500; The Upjohn Co., Kalamazoo, Mich., \$2,000; Chas. Pfizer & Co., Inc., Brooklyn, N. Y., \$4,000; E. R. Squibb & Sons, Div. of Olin Mathieson Chemical Corp., New Brunswick, N. J., \$3,000; Commercial Solvents Corp., Terre Haute, Ind., \$2,500; American Dry Milk Institute, Chicago, \$7,000; Red Star Yeast and Products Co., Milwaukee, \$2,500; Sugar Research Foundation, Inc., New York, \$4,500; Warner-Lambert Pharmaceutical Co., Lambert-Hudnut Div., Morris Plains, N. J., \$2,000; American Philosophical Society, Philadelphia, \$600; Committee for Economic Development, New York, \$4,500; Estate of Dr. Sobey Okuyama, Genesee Depot, (UWF) \$3,000; United Cerebral Palsy Research and Educational Foundation, Inc., New York City, \$6,480; Central Farmers Fertilizer Co., Chicago, \$1,250; The Ford Foundation of New York City, \$24,308; American Smelting and Refining Co., South Plainfield, N. J., \$2,500; Wisconsin Taxpayers Alliance, Madison, \$2,500; Smith, Kline and French Labs., Philadelphia, \$4,000; American Medical Assn., Chicago, \$350; Muscular Dystrophy Assns. of America, Inc., New York, \$2,997; National Live Stock and Meat Board, Chicago, \$9,440; National Institutes of Health, Bethesda, Md., \$65,026; National Science Foundation, Washington, D. C., \$168,950.

specializing in pathology, won a \$100 prize for a research paper on pathology.

Eugene D. KOPLITZ is professor of psychology and guidance at Colorado State college.

1st Lt. David R. FOSSHAGE recently revisited his Mt. Horeb home after a 31-month tour of duty as an Air Force pilot.

Duane HOPP, who has been a TV newsman down in Peoria, advises us that he and his wife Mary Ann are the producers of feature attraction they've called Lisa Ann, born Sept. 23.

Mr. and Mrs. John H. BERRYHILL (Barbara IVERSON), now living in Minneapolis where he's working for Northern States Power Co., announce the birth of Bruce Iverson in July.

Mr. and Mrs. Thomas BEYER are living in Cambridge, Mass. where he is assistant professor of psychology at Massachusetts Institute of Technology.

1956

Sheldon E. REICHARD is security specialist of the 908 project of the General Electric Co., X-ray Department, Milwaukee.

Roger F. BLOOM is a law student at Columbia U.

Arthur R. KISER is with the Madison law firm of Roberts, Boardman, Suhr, Bjork & Curry.

Robert POWLESS is basketball coach at Cashton High school.

It was a son for Mr. and Mrs. William H. Metzel (Suanne BURNS), now at Tyler, Tex.

John A. WINTER is with Procter and Gamble in Cincinnati.

Reuben HANSON is teaching science in Manitowoc.

John T. GARBUTT is with the Grain Processing Corp. in Muscatine, Iowa.

Daniel H. HONOLD is 4-H agent in Fond du Lac county.

William HINTZ is speech instructor at Badger High school, Lake Geneva.

Mr. and Mrs. Fritz HANSON are living in Seattle where he is working in military systems development at Boeing.

Mr. and Mrs. Paul C. KLOSER live in Jamestown, N.Y., where he is with the N.Y. State Department of Health as milk sanitarian. They have two children: Stevie, 2, and Laurel, nearly a year old.

Roger BORST is senior curator of geology at the New York state museum in Albany.

Mrs. Carole STROMMEN Bonesho (William) is home agent for Chippewa county.

Dr. Harvey J. GOLD is on the research staff at the U.S. Fruit and Vegetable Products Laboratory in Winter Haven, Fla.

Roy S. DOMBROW is a research associate at Rockefeller Institute for Medical Research.

1957

Mr. and Mrs. Richard H. MITCHELL are living in East Lansing, where he is a teaching assistant in the history department.

Mr. and Mrs. Glen W. PLOETZ have joined the staff of the Catholic Welfare conference as mission directors in Addis Ababa, Ethiopia.

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distinctively
"Wisconsin"



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-the sweetest cranberries in all the world!

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EAGLE RIVER, WISCONSIN

Richard H. TYLER has joined the Taft modern languages department at Watertown, Conn.

1958

Audrey RADUE is a case worker for the Fond du Lac county welfare department.

George W. SCOTT is with the Detroit office of Grant Advertising, Inc.

Mr. and Mrs. Joe Robert IRWIN (Mary Lee RICHARDSON) are living at Chula Vista, Calif., where he is with the U.S. Navy as an ensign. They were married on August 15 (for the second time, by this magazine! When Joe was Homecoming King and Mary Lee his queen last year they were accidentally designated as married then. We are glad to have been turned into prophets.)

Mary Elizabeth DOUGHERTY is interning in dietetics at the University of Minnesota hospital in Minneapolis.

Richard J. CYWINSKI is a case-worker in the Calumet county public welfare department at Chilton.

Mr. and Mrs. Albert L. KOPS are living in Milwaukee where he is in technical sales with the Wisconsin Paint Mfg. Co.

Thomas P. HANSEN is on a tour of duty at Ft. Leonard Wood, Mo.

A modern missionary in the Methodist foreign service, Sandra FOLEY is teaching English at a girls' college in Lahore, West Pakistan.

Joanne COON is teaching school at Janesville.

newly married

With current residence noted:

1948

Teresa SANTANDREU and Thomas J. TWOMEY '50, Cold Spring Harbor, N. Y.

Carol J. Conard and James J. BUEHRER, Green Bay.

Lois A. Henderson and Maj. Leon H. BABLER.

1949

Mary S. RICE '56 and George E. OLSEN, Shorewood.

Glory Ickes and Ralph M. SMITH, Rutherford, N. J.

1950

Jean McGruer and Ralph J. ANDERSON, Madison.

Lorraine E. Fosdahl and Donald H. HALVERSON, Chicago, Ill.

Rosemary A. McGuine and Philip L. TALTY, Madison.

1952

Marilyn M. Christensen and Keith NO-DOLF, Minneapolis, Minn.

1953

Sally J. CHERE and Kenneth F. Waraczynski, Milwaukee.

1954

Joan L. ADAMS '58 and William H. FREYTAG, Williams Bay.

Judith C. GIEBLER and Homer L. Hines, Ventura, Calif.

1955

Patricia J. Ditttrich and Charles A. GORSKE, Fond du Lac.

Arlene T. SUEHS and Hadi H. Alwan, Madison.

Marie P. ANTHONY and Paul F. Raymond, Racine.

Carol K. Hertzler and David K. HALLS, Madison.

Joan ROSEN '58 and Dr. Thomas LEICHT, Denver, Colo.

Nancy L. BASFORD and Frederick A. RAWSON '58, Waupaca.

Dorothy Mae HUGHES '57 and Paul A. SCHUETTE.

1956

Mabel L. Schleif and Joseph L. RAECHAL, Maywood, Ill.

Phyllis I. Jost and Gerald L. O'NEIL, Detroit, Mich.

Carol M. SCHADEK and Sanger Westphal, Joliet, Ill.

Louise W. REVELL '60 and Donald H. CRAIGMILE, Ft. Benning, Ga.

Molly Kay STONER and William H. Barclay, Jr., Milwaukee.

R. Katherine Bremer and Thomas N. VOIGHT, Madison.

Susan D. ZEMBROSKY '58 and Kenneth C. SLAVNEY, Madison.

Suzanne BENNETT and Charles Nelson, DeKalb, Ill.

1957

Sharon A. MULLEN '58 and Gene F. HOLLENBERGER, Grafton.

Mary E. McMAHON and Theodore F. Armstrong, Colorado Springs, Colo.

Carol A. STAHL and Arnold Kloes, Wichita, Kans.

Susan R. STARK and P. Kuckhahn, Hillrose, Colo.

Nancy J. Heller and Donald R. SAYNER, Madison.

Nancy J. JOHNSTON '59 and Jerry W. GROUT, Corpus Christi, Texas.

Irene M. FORMAN and Claude Charpentier, Brooklyn, N.Y.

1958

Anita Compton and Robert DREWEK, Milwaukee.

Lorna M. RAMLOW and Lt. James A. GARVENS, Ft. Belvoir, Va.

Barbara J. Nickels and Robert REHM, Lake Mills.

Nancy K. Trewyn and Thomas J. POSSER, Antigo.

Beverly E. BLOOM and Bernard PESETSKY '59, Madison.

faculty news

HONORED AND APPOINTED

A. W. Schorger, emeritus professor of wildlife management, has been awarded the William Brewster Medal by the American Ornithologists' Union for his book, *The Passenger Pigeon—Its Natural History and Extinction*.

Prof. George P. Woollard, head of the University of Wisconsin geophysics section of geology, has been appointed to the Space Board of the National Academy of Science.

Prof. Paul W. Eberman is associate dean of the University of Wisconsin's School of Education.

The American Society of Agronomy has announced the awarding of its Soil Science Achievement Award to Prof. Marion L. Jackson.

Sewall Wright, a professor of zoology, was the recipient of one of six honorary degrees granted by Western Reserve University, Cleveland, Ohio.

Mrs. Xenia Z. Gasiorowski is visiting professor of Russian on the faculty of Wellesley College, Wellesley, Mass, for the academic year 1958-59.

Prof. Joseph O. Hirschfelder, director of the naval research laboratory and professor of chemistry, has been appointed chairman of the committee on physical chemistry the National Research Council; consultant to the Advanced Research Projects agency, and member of an Army Ordnance research committee.

Prof. Richard W. Heine, mining and metallurgy, has been awarded a Distinguished Alumnus Citation by Wayne State university.

Prof. Olaf A. Hougén, engineering, is one of five distinguished American chemical engineers who received Founders' Awards for their outstanding contributions in the field of chemical engineering.

Prof. James H. March, commerce, is the director of the Commerce Division of the University of Wisconsin-Milwaukee.

Dr. John Z. Bowers, dean of the Medical School, has been appointed by President Dwight D. Eisenhower to an eight-man committee which will serve the federal government as the Health Resources Advisory Committee and as the National Advisory Committee to the Selective Service System.

Dr. S. H. McNutt, professor of veterinary science, was one of eight scientists who received Borden Awards for outstanding research achievements during 1957.

Dr. James F. Crow, genetics professor, has been appointed to a new national advisory committee on radiation.

Robert E. Grad, director of the Wisconsin Idea Theatre, has been awarded special recognition by the department of speech and drama of the University of Kansas. The award is the first of its kind.

Prof. Julian Harris, chairman of the department of French and Italian, is president of the Wisconsin chapter of Phi Beta Kappa, national honor society.

Henry A. Lardy, professor of biochemistry and chairman of a division of the UW Enzyme Institute, has been elected to membership in the National Academy of Sciences.

Prof. Howard Becker, sociology and anthropology, has been elected president of the American Sociological Society.

Prof. Einar Haugen, chairman of the department of Scandinavian Studies, received the honorary degree of Doctor of Humane Letters at St. Olaf College, Northfield, Minn.

Former Medical Dean William S. Middleton of the Veterans Administration staff was honored with the VA's top service award.

M. Starr Nichols, assistant director of the State Laboratory of Hygiene and emeritus professor of sanitary chemistry, was awarded the George Warren Fuller award for the Wisconsin section, American Water Works Association.

Henry A. Pochmann, American literature, has been awarded a Loubat Prize. The \$600 second prize among the Loubat awards was given to the UW professor for his two-volume work, *German Culture in America, 1600-1900*.

ARTS AND LETTERS

Ralph Nafziger, director of the School of Journalism, and Dr. David M. White, School of Public Relations and Communications, Boston University, are editors of the new volume, *An Introduction to Mass Communications. Research* (Louisiana State U. Press.)

The second edition of *Effective Pub-*

lic Relations: Pathways to Public Favor (Prentice-Hall) the most widely used college textbook on public relations, is the work of Prof. Scott M. Cutlip, chairman of the public relations sequence in the School of Journalism, and Allen H. Center, director of public relations for Motorola Inc., Chicago.

French Masters, A Cultural Reader for Beginners (Harper and Bros.) has been edited by Prof. Joseph Palmeri, Extension Division.

Guidance Practices and Results, written by Prof. John Rothney, also has been published by Harper and Bros.

ON THE MOVE

Prof. Camilla Low, guidance specialist, is taking a flight around the world to learn how useful their Wisconsin training has been to former students in Bonn and Bangkok, Cebu and Lahore.

Prof. William L. Sachse, history, was among seven American university faculty members taking part in a tour of West German universities at the request of the Bonn government.

Allan W. Ostar, director of editorial and communications service in the University Extension Division, is on a two-year leave, heading a national project on public higher education in Washington, D.C.

Oliver H. Knight, coordinator of public information for the Extension Division, resigned to accept a faculty position at the University of Indiana school of journalism.

NECROLOGY

Mrs. Marvin B. Rosenberry, former dean of women.

Samuel A. Ives, curator of rare books, University Library.

Wakelin McNeel, emeritus professor of Agriculture Extension and Wisconsin 4-H Club leader for many years.

Prof. Byron C. Jorns, artist in the College of Agriculture.

George S. Bryan, emeritus professor of botany.

Emeritus Prof. Warner Taylor, department of English.

Emeritus Prof. Thomas L. Bewick, a pioneer in boys and girls club work.

Leonard R. Ingersoll, emeritus professor of physics.

Emeritus Professor Alexander N. Winchell, geology, author of several books on optical mineralogy.

badger bookshelf

THE GOLDEN HAWKS OF GENGHIS KHAN. By Rita Ritchie. *Dutton*. (\$3)

From Washington Island off the Door County peninsula comes this adventure story by a former library page, summer camp counsellor, chemical technician, medical bibliographer, advertising copywriter, and, more recently, author. Her interest in anthropology led her into study of Genghis Khan's empire and this book is her second on that subject. Her first was *The Year of the Horse*, the story of a Mongol boy in the year 1211.

RUN TO KANSAS. By Robert E. Gard. *Duell Sloan & Pierce*.

Another book from the director of the Wisconsin Idea Theater, this one set in 1870 Illinois and Kansas, makes his total five fiction and three non-fiction books. This one relates the flight of a teen-ager amid the turmoil of pioneer life.

THE PRESIDENT'S WIFE. By Elizabeth Corbett '10. *Lippincott*. (Price \$3.95)

Badger alumni can hardly help but be interested in this novel by Elizabeth Corbett, for it gives a glimpse of the University of Wisconsin in 1908. Miss Corbett, who graduated from the University of Wisconsin in 1910 with a Phi Beta Kappa key and a determination to be a novelist, now has more than 30 books to her credit, including the well-known Mrs. Meigs novels.

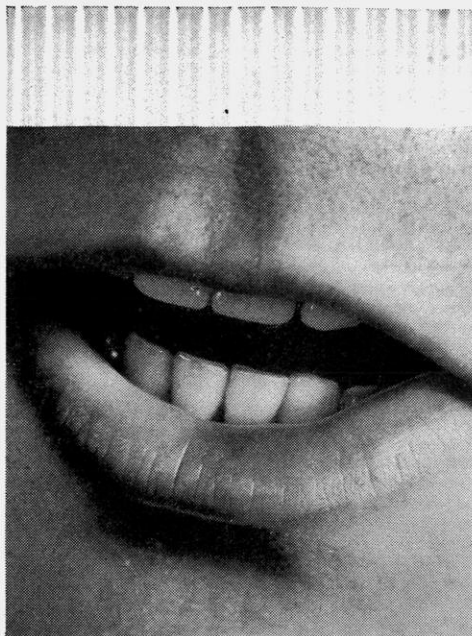
The President's Wife is the sensitive story of a professor's wife who is rebellious at the routine of daily existence. When she finds the ways and means to alleviate her boredom, tongues really start wagging.

In her treatment of boredom, Miss Corbett reveals her deep sympathy and understanding of human nature, so that this tale touches all who have ever experienced this disturbing element.

BIRD OF FIRE. *A tale of St. Francis of Assisi*. By Helen C. White. *The Macmillan Company*. (Price \$3.95.)

Helen White has again portrayed her talent as a writer—this time with *Bird of Fire*. She is best known for *The Four Rivers of Paradise* and *Dust on the King's Highway*, both historical novels

Wisconsin Alumnus, December, 1958



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which reflect her exacting knowledge of the past, and yet bring with it, vitality, depth, and narrative powers all characteristic of all good fiction.

Miss White, who is now chairman of the Department of English at the University of Wisconsin, has been a professor of English since 1936. Prior to this, she taught at Smith college, Barnard college, and Columbia university. She has been president of the American Association of University Professors, president of the American Association of University Women, winner of the Laetare Medal from the University of Notre Dame in 1942, and winner of the 1956 Champion Award.

Bird of Fire reveals the quiet but compelling magnetism which first drew followers to Saint Francis, and then traces his slow victory over the world of Assisi and the gradual spread of his Franciscan Order in the thirteenth century.

LABOR AND THE NEW DEAL.
Edited by Milton Derber and Edwin

Young. University of Wisconsin Press.
(Price \$6.00.)

Members of the Department of Economics of the University of Wisconsin and the Institute of Labor and Industrial Relations, University of Illinois, have joined hands to bring this unique treatment of the many aspects of labor in the New Deal era.

The authors study the 1929-1939 decade not only from the social and economic standpoint of the time, but in view of the specific political ideals and agencies of the Roosevelt administration.

A special edition of *Essentials of Progress* President C. A. Elvehjem's inaugural address delivered at the University of Wisconsin on October 9, 1958, may be purchased from The University of Wisconsin Press, 430 Sterling Court, Madison 6, Wisconsin, for 75 cents. This address was published in an abridged form in the October issue of the *Wisconsin Alumnus*.

PROGRESS WORKS HERE

One of the most important and basic reasons for good telephone service is research. The many advances in speed, clarity, distance and convenience would not have been possible without it.

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known"—has brought substantial benefits beyond their particular application to communications.

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