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## **Wisconsin alumnus. Volume 57, Number 8 Dec. 15, 1955**

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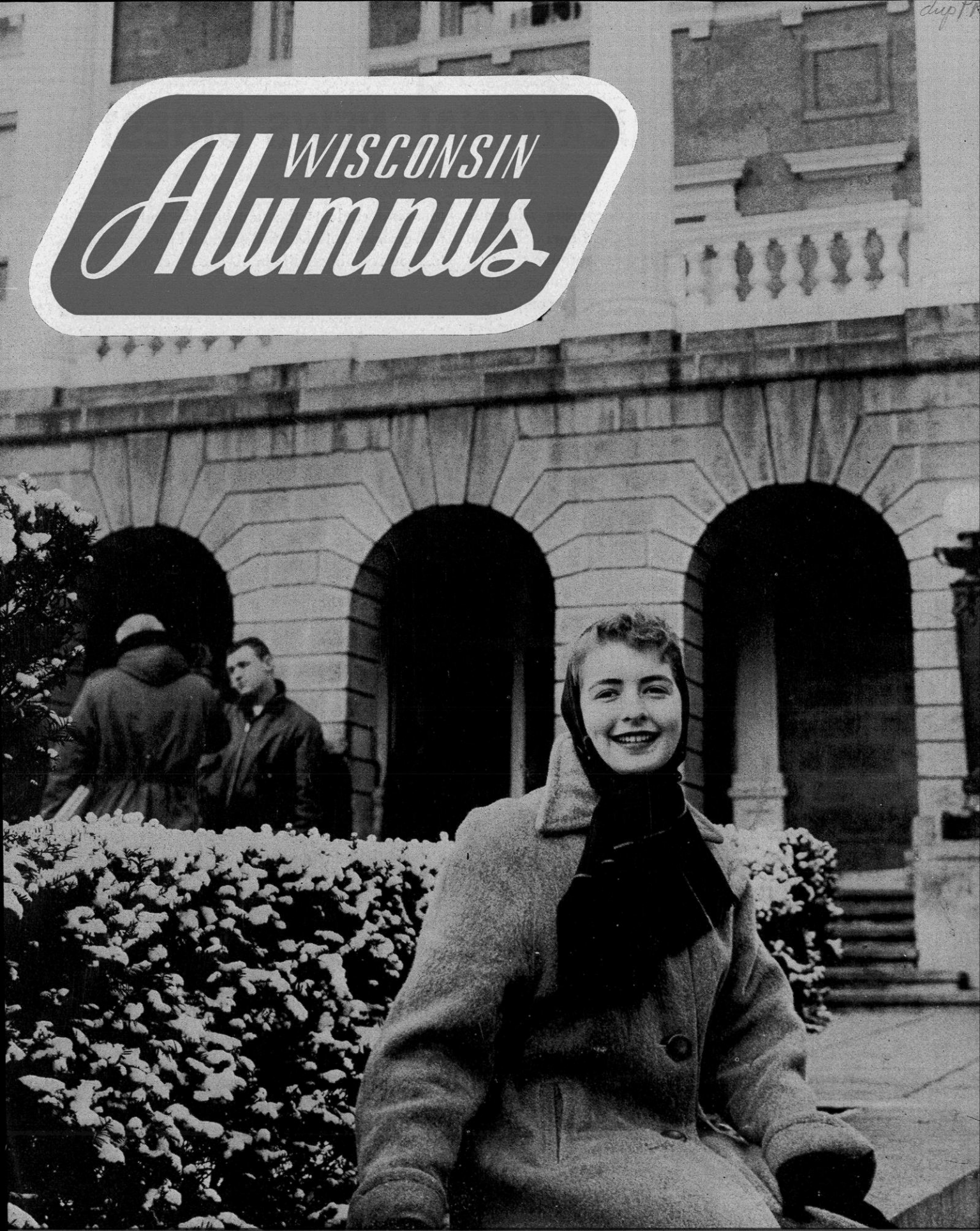
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# WISCONSIN *Alumnus*



Club Scholarship Winner Mary Lee Mundscha

Alumni Club Scholarships

December 15, 1955



# EDUCATIONAL NEWS DIGEST

**1. About one year ago a Corporate Alumnus Program was established** by the General Electric Educational and Charitable Fund. Through this new program, the Fund agreed to match, under certain conditions, contributions up to \$1,000 by employees of General Electric to the colleges and universities from which they held degrees.

We know now that CAP will continue in 1956. A new provision interprets *alumnus* as most colleges do: the Fund will match gifts made to any college at which an employee was *in attendance* one year or more. An employee may now contribute to a college at which he did not complete requirements for a degree.

Wide range of participation in the Program is shown by the fact that gifts have ranged all the way from \$1 to the limit of \$1,000. On October 1, there were 3,113 contributions to 285 colleges, totaling \$116,877; any alumnus who reads his mail knows that the modest gifts count as they never counted before.

\* \* \*

**2. A fifth university will start offering the G-E Fellowship Program** for high-school teachers in the summer of 1956; Syracuse University will conduct a program in science for 50 high-school teachers. This particular program—like those in science and math, in Union, RPI, Case, and Purdue—will be underwritten by General Electric from the time the teacher leaves home till he returns six weeks later. These five challenging programs are at graduate levels. Our participation also includes scheduled lectures and trips to plants and laboratories to hear and observe how mathematics and science are used in modern business.

The Teacher Fellowships Program began in 1945 at Union, and that summer there was but one session of 50 teachers. By now, approximately 1,350 teachers have had the benefit of these special programs, have themselves been taught by distinguished professors, and have in turn brought to their several hundred

thousand students the undebatable truth that the well-grounded student will soon find the pages of his textbook coming to life in his chosen career.

\* \* \*

**3. We attempt in our various plant locations to help our people help themselves.** Here's a variation of a plan, now in effect at Schenectady: 35 young men, who might otherwise have foregone going to college and earning a technical degree, are now at work as apprentices at General Electric and in attendance at Union College. These young men were graduated in the top half of their high-school class, came out well on the College Board tests, had an academic diploma with 16 full credits (almost half of them in English and math), and demonstrated a genuine desire for a college education.

These men are full-time apprentices in drafting, machining, pattern making, and metal founding. At the end of 8,000 hours of apprenticeship, they will have completed, after business hours, and with tuition paid by the Company, two full years of college. They may then apply for a leave of absence to work for a degree on a full-time basis, or continue their educations at night, still working full time for G.E.

\* \* \*

**4. A new booklet, GROWING WITH GENERAL ELECTRIC,** is designed to do two things: to introduce General Electric's 10 Programs for college graduates to potential employees and to serve generally as a guidance tool in the hands of alumnus, parent, and instructor. Each Program is presented on a single page in such a way that the reader can determine immediately what "majors" must show on the student's record if he wishes to be considered for admission to that Program. Since the matter of prerequisites looms up as a mighty problem to youth, and since the stated requirements are, with minor variations, generally applicable in industry, such information should help the alumnus in his important function of youth guidance.

EDUCATIONAL RELATIONS SERVICES, GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y.

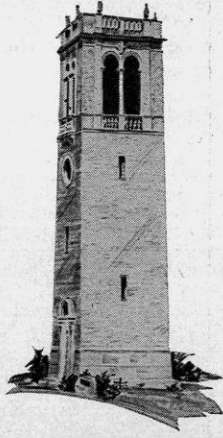
*Progress Is Our Most Important Product*

GENERAL  ELECTRIC



**season's  
greetings**

Observatory Hill occupies a position about midway between stars and the campus, in the memories of alumni. There are few more representative symbols of the things that are Wisconsin. Now Badgers thrill to the possibility that this tradition-laden Observatory may become the foundation for our own Alumni House.



# WISCONSIN Alumnus

Official Publication of the Wisconsin Alumni Association

DECEMBER 15, 1955

VOL. 57, NO. 8

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## ★Sidelines

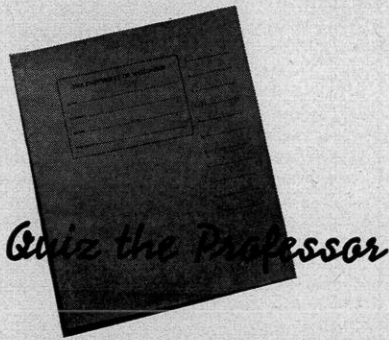
**COVER.** The reasons Mary Lee Mundschau, a freshman majoring in nursing, is sitting there on our cover would be obvious, if, like us, you knew that Mary Lee is one of a score or more alumni club scholarship winners now on campus (you'll see many of the others on pages 22-24.) Too, Mary Lee makes a fetching picture in the midst of the first snowfall of what looks like a mighty wintry year on Bascom Hill. Her alumni club friends, by the way, are in Jefferson, Wis. The Jefferson club has an outstanding scholarship program for a smaller club, providing two scholarships annually, of \$200 each. (Photo by George Richard.)

**NEVER CAN TELL.** The boy, about 11, was gathering up soggy football programs in Camp Randall Stadium after the Michigan State game. "What do you do with those?" we asked. His answer was straightforward: "I take them home and iron them out." We persisted. "Well, a guy's gotta have something to save," he replied.

**WORDS OF ONE SYLLABLE.** The summer *Cardinal*, reporting on qualifications of summer prom queen candidates, remarked of one candidate: "Although she is a phy ed (physical education) major, she is known on campus for her great dancing ability."

**UNION VACATION.** James Hevener, '17, and his wife, recently spent their tenth consecutive vacation in what they stoutly maintain is an ideal spot—the University of Wisconsin Memorial Union. The St. Paul couple, retired now, said: "Nowhere else in the United States will you find a hotel whose back door leads to peaceful country-side and front door to a bustling city. And there's more to see and to do at the Union than one vacation can take care of." End of plug.

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.) Entered as second class matter at the post office 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.



*Quiz the Professor*

## Does the average engineering graduate have a well-rounded education?

IN ACCORDANCE with your suggestion, "the shorter the better," I am tempted to reply quickly and briefly to your question with an emphatic "Yes! Certainly!" My justification would be to cite the myriad contributions of the engineer to the comfort, health, safety, and enjoyment of living for all. These contributions cover almost every conceivable field from aircraft and automobiles to water supply and sewage disposal systems. An engineer must possess, in addition to sound technical knowledge in a wide variety of fields, at least elementary knowledge of economics, contract law, and business practice. He must also have or acquire the ability to work with and supervise the work of others.

Perhaps it would further reinforce my position to point out that about one-third of all engineers eventually serve in high administrative positions in business and industry such as general managers, comptrollers, and presidents—positions that require broad perspective and good understanding of people as well as excellent technical training. It is also interesting, and possibly pertinent, to note that recent studies report that engineers make good husbands, that the percentage of happy marriages for engineers is high, and the divorce rate is low. Somehow the engineer seems to have learned something about human relations!

If, as is often claimed, the ultimate test of education is the use to which it is put in contributing to the general welfare and the enjoyment of life, the engineer, by his record, demonstrates a sound and well-rounded educational background.

I have, of course, been talking about the mature engineer and not about the recent graduate from a university. If you

examine the average engineering curriculum in any university you will probably be struck by the fact that it is a nearly rigid program of required courses, most of them technical in character. The number of free electives that the student may use for courses in philosophy, history, sociology, psychology and literature to supplement his basic courses in English and economics is rarely greater than ten per cent of the total required for graduation, and is frequently less. Furthermore, the student rarely uses all of his free electives for courses in the humanities or social sciences.

Most engineering educators recognize that it would be to the student's advantage to spend a substantial amount of time pursuing studies in the cultural fields. It has been widely recommended by the engineering societies and the engineering accrediting associations that at least twenty per cent of the curriculum be devoted to what has become known as the "social-humanistic stem." We are slowly making progress in this direction. At the same time, in this era of rapid technological advance, pressure mounts to include in every curriculum more and more scientific and technical material. Parenthetically, I suggest that parallel problems exist in every area of education—how to include enough of science and technology in existing programs of arts, law, education or agriculture in order to assure for the student a truly well-rounded education?

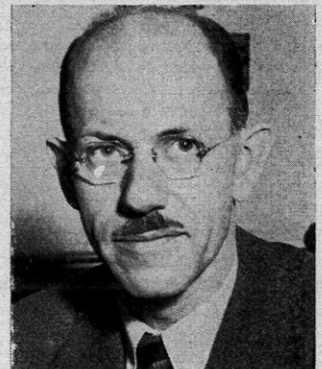
What is the solution? One apparently obvious answer is to increase the length of the undergraduate curriculum to five years and use the additional time for work in the social sciences and humanities. Don't forget that the average four-year engineering program already requires 146 semester hours as compared with the average 120 hours in the general letters and sciences courses. To satisfy the pressures for expanded programs in the sciences and technical engineering fields, a further year of graduate study is required. Unfortunately, the demand for engineers by government and industry is at an all-time high and the graduates of our present four-year curricula are so avidly sought and wooed that all too few students can now be persuaded to spend a fifth year for a Master's degree. Only a handful of schools have so far ventured to try a five-year program. Eventually we may be forced to this solution.

In the meantime what are we doing about the problem?

*(continued on page 38)*

***The answer to this question is  
given by Kurt A. Wendt,***

***Dean  
UW College  
of  
Engineering***



# PROCTER & GAMBLE

## Marketing Management

While the openings discussed below are all within the framework of Advertising and Sales Promotion, the nature of the work is Marketing Management rather than "handling advertising" as most people understand it. For this reason, we are not looking for advertising "specialists", such as layout men or copy-writers, but rather for men with potentially good general business administrative ability.

### OPENINGS EXIST IN THE FOLLOWING GROUPS:

**Brand Management**—The marketing problems of each of our brands are handled by a separate staff of marketing management men. Men employed for this work are trained to manage and be responsible for the effectiveness of the over-all Advertising and Promotion effort on an important nationally advertised brand. These positions involve working with many Company departments, including the Manufacturing Department on product development, the Sales Department on the development of promotions, and with the Advertising Agency on all phases of planning for the brand.

**Copy Supervision**—Copy Supervisors manage advertising copy operations on our brands principally by (1) representing the Company in a close working relationship with our agencies on all phases of the development of advertising copy and (2) evaluating agency copy proposals in the light of product facts, marketing objectives, and background knowledge of effective selling techniques. These men do not write copy; this is a function of our advertising agencies. However, within our Advertising Department, they are responsible for the over-all effectiveness of advertising copy operations in radio, television, magazines and other media.

**Merchandising**—Merchandising men develop store promotions involving groups of Company brands, select and develop premium articles, manage the country-wide sampling and couponing operations, assist the Sales Department in the conduct of trade conventions, and operate contests, mail-ins and other forms of promotion.

**Media**—Media men guide the Company in the investment of advertising appropriations. Working with the advertising agencies, they develop media plans on each brand using radio, television, magazines, newspapers, etc.

### THE QUALIFICATIONS WE LOOK FOR

For all of these positions we search for men with good educational backgrounds, who have shown an interest in business and who we feel can quickly develop to positions of real responsibility. A knowledge of advertising is not necessary. Men chosen must have the ability to work closely with many types of people, since they are in constant contact with the advertising agencies, other sections of the Advertising Department, and other departments of the Company. They must have a high degree of imagination and aggressiveness and more than their share of sound judgment.

Working in our Advertising Department should have exceptionally strong appeal to men who can embrace the concept of spending money to make money, who can orient a product in its field, and who can grow quickly to a position where they are performing functions usually handled by the president of an average size company.

### TRAINING AND PROMOTION

We necessarily employ on a very selective basis for these positions. However, the right man, once he is employed, will receive good training and can look forward to excellent progress with regard to job satisfaction and financial reward.

New men are assigned to the types of work outlined above according to the needs of the Department and the abilities and inclinations of the individual. The new man begins learning by actually handling a responsible job in the group to which he is assigned—working alongside experienced people whose responsibility it is to see that he is trained as quickly as possible.

We believe that the best interests of the man as well as the Company are secured by his "getting to work" as quickly as possible in a job that will draw heavily upon his training and ability right from the start. These jobs develop good all-around businessmen capable of shouldering broad management responsibilities. There are many opportunities for advancement both within and outside of the Advertising Department. The President of the Company and the two Executive Vice-Presidents came up through the Advertising Department.

### LOCATION

All of the positions described above are located in our Cincinnati General Offices.

If interested, and are between the ages of 21 and 27, please write, giving full information about yourself, to:

Mr. W. L. Franz  
Department WA  
Gwynne Bldg., Cincinnati, Ohio.

★ Dear Editor:

### Report from Las Vegas

Just got my (last) *Alumnus*. How you got my new address really mystifies me as I've only been here a month and don't remember notifying you previously. Oh, well! Am now assistant manager of this fabulous "gambling casino with sleeping rooms attached!" Before leaving Miami Beach, it was my great pleasure, as assistant manager of the new Fontainebleau Hotel, to welcome Regent Oscar Rennebohm when he attended a National Pharmaceutical convention there. Sure do miss Madison!

Jay Marker, '51  
Las Vegas, Nev.

### It's Called Niagara Frontier

I have just located here recently to become pastor of the (Trinity Community Church here). Do we have an alumni association club in the Buffalo area? If so, please give my name and address to the club secretary. If not, please send me the names of the graduates that you have on hand and I will see what we can do about starting a Buffalo chapter. The University has given much to all her graduates and it is only proper that her alumni should now band together and help the great University at Madison in the years ahead.

Rev. Lawrence J. Rezash, '52  
Tonawanda, N. Y.

### Gadget List?

It might be a good idea if you published a list of Wisconsin items, gadgets, etc., which can be purchased; once a year in the *Alumnus* magazine so that it would be possible to refer to one list instead of hunting through various issues to find something one is interested in.

Catherine Holtz, '45  
1/Lt WAC USAR  
Hqs. Commandant, WAC Center  
Ft. McClellan, Ala.

### Badger Family

I am enclosing my dues for the next year. I have just returned from a trip to Europe of 10 weeks in which I visited nine countries.

I wonder if you know how many of my family have attended your college. Three daughters are graduates: Mrs. Lynne Carnell, Chicago, Illinois; Mrs. David Starrett, Denver, Colorado; Mrs. B. J. McKearney, Yonkers, New York.

One son, Wayne Iverson graduated in June, and will continue graduate work this year. Two of the children, Donald (now an architectural engineer in Madison, and Ardis (now the wife of Dr. B. H. Roisum of Madison) took their freshman work at Wisconsin. Although I received my master's work at Wisconsin, I did not do any undergraduate work there except by correspondence and extension. Don't you think the I. O. Iverson family of Mount Horeb has had a long association with the state university?

Mrs. Anna Iverson,  
Co. Supervisor of Schools  
Winnebago County

### Hey, You Bombay Badgers!

Greetings from an embryonic UW Bombay Club!

This is to let you know that on October 26, 1955, I was married to Mr. Prayag K. (Anand) Akerkar here in Bombay. Anand

WISCONSIN ALUMNUS

received his M.S. in Journalism at Madison in the fall of 1951, while I received my B.A. in French in June of that same year.

We would like to know whether a UW club exists here—and if so, please let us have full particulars. If no club has been established here so far, we would like to do something about it, especially since there are many Badger alumni here in Bombay. Any information you might give us would be very much appreciated.

Thanks for taking care of the above matters. Looking forward to hearing from you, we both remain

Ever enthusiastically yours,  
Mrs. Anand Akerkar, '51  
(Jeanne H. Oppenheimer)  
Bombay 7, India

(Need it be said that interested Badgers should contact Mrs. Akerkar?—Ed.)

## A Dissent

May I dissent from some opinions expressed by Professor Hughes in your October issue?

By way of tediously asserting my reason for, if not my right to do so, I confess that some 19 years ago, I was "clever" (word chosen with care) enough to win an official excuse from English 1-A. I was also average enough so that a liberal resort to unofficial and unsanctioned excuses from time to time aided me to fail an elementary subject and to ring up a rather moth-eaten scholastic record.

A subsequent enlightening (and distressing) experience as a part time graduate assistant in Commerce 109 (Business Law) convinced me (and all of my colleagues) that even college seniors know less of the mysteries of the sentence than does my 9 year old son whose devotion to various

athletic endeavors has left him little time for the acquisition of skill in English expression.

My thought: An honest standard of efficiency must be severe upon those who are far from meeting it if its application is to have value—and that the professor's reference to the use of a "standard of efficiency" in the last paragraph of his dissertation is in error.

Dissents should be respectful.

This one is,  
Arthur G. Field, BA '41; LLB '47  
Highwood, Ill.

P.S. Would that my powers of accurate and grammatic expression were one-half of his!

## The Early Bird Gets the Worm

At this time we would like to place our order for five tickets to the Wisconsin vs. Minnesota football game to be held in November of 1956. We would like to hear from you as to the possibility of getting fairly decent seats by ordering them this far in advance. Thank you.

W. C. Bergstedt, '42  
Rochester, Minn.

(Even early birds can't get football tickets from the alumni office. The tickets are sold—all of them—by the athletic department.—Ed.)

## In Old Monterrey

I certainly appreciate getting the alumni magazine even though it does reach me about three or four weeks late.

There are only two of Wisconsin alumni

here, but there are several Wisconsin people living here that do get together on parties and start singing. To have a Wisconsin Song Book would enrich our selection for all of us like to sing.

We (Helen Bradfield, received her Masters degree at Wisconsin in '49) have been living in Mexico for six years and have three sons, Stanley 5, David 3, John 1—all are potential students for Wisconsin.

Enclosed you will find a check for \$6.00 to cover 2 song books and 2 Buckley Badgers.

Gottfried A. Friedli, '49  
Monterrey, N. L., Mexico

## Kind Words

Many thanks for your article on Lois Olsen which appeared in "Wisconsin Women with Grace Chatterton" in the April 15, 1955 issue of *The Wisconsin Alumnus*. Remembering Lois as a member of the class ahead of mine in nurse's training I contacted her shortly after reading your article about her.

We were able to arrange a time when she could speak to the members of our organization. And we invited the members of the University of Wisconsin Nurses Alumnae Association in Milwaukee to attend also. This took place at our monthly meeting in September. All who attended enjoyed Lois' talk so much and regretted that we did not have about three more hours to ask questions about her experiences in Africa.

I just thought I'd like to let you know that you were responsible for providing the source for a very successful program for our organization recently.

Roberta Hines Tacke, '50  
President, Natural Childbirth Assn.  
Milwaukee, Wis.

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# Making the most of my abilities in a new career

*(Some questions answered by a New England Life Agent)*

AT NEW ENGLAND LIFE, as in baseball, rookie-of-the-year stands for the outstanding newcomer. Glenn Tiffany, here, of Indianapolis won the rookie award of the Company's Leaders Association in 1953.



A BETTER LIFE FOR YOU

## What did you think you were best suited for?

"I'd had some successful sales experience, and while in the Air Force I'd given a good deal of thought to the life insurance business. It seemed to offer exactly what I wanted — independence, unlimited income possibilities, and a chance to be of real service to people."

## Why did you choose New England Life?

"Because they took a personal interest in me from my very first letter. I liked their set-up, their training program, and their way of doing business. And, they let me work in the city of my choice, although I wasn't well acquainted there."

## How did they help you get started?

"My General Agent and Supervisor coached me in the fundamentals — how to set up a program and close a sale. Both of them are wonderful teachers and enthusiastic about helping young agents. Then I attended one of the Career Underwriting Courses at the home office. Now I am continuing study in Advanced Underwriting."

## How long did it take to establish yourself?

"In my first year, I sold a million dollars worth of life insurance protection, and earned a substantial income."

Let us tell you more about the advantages of a career with New England Life. Write Vice-President L. M. Huppeler, 501 Boylston Street, Boston 17, Massachusetts, for full information.

**NEW ENGLAND**  
*Mutual* **LIFE** INSURANCE COMPANY  
BOSTON, MASS.

THE COMPANY THAT FOUNDED MUTUAL LIFE INSURANCE IN AMERICA—1835

...  keeping in touch with **WISCONSIN**

**JOHN BERGE, Executive Director**

**WISCONSIN ALUMNI ASSOCIATION**

**T**HE WISCONSIN Alumni Club of Waukesha has joined the growing list of alumni clubs that have qualified for club directorships. Sixteen clubs are in this outstanding group: Beloit, Chicago, Fond du Lac, Janesville, La Crosse, Madison, Milwaukee, Minneapolis, New York City, Northern California, Oshkosh, Racine, Sheboygan County, Southern California, Washington, D.C., and Waukesha.

All these clubs have the privilege of electing a director to serve on the Board of Directors of the Wisconsin Alumni Association as a result of meeting the following membership and activity standards:

- (1) Adoption of the standard constitution for alumni clubs approved by the Wisconsin Alumni Association. All club officers and directors must be members of the Wisconsin Alumni Association.
- (2) At least *two* alumni club meetings each year and active sponsorship of at least one alumni club project annually, such as cash or loan scholarships; cooperation with University of Wisconsin Foundation; alumni club forums; alumni club directories; "send-off" banquets for prospective University students; membership campaigns; testimonial dinners for local high school teams, alumni, regents, or faculty members; placement work; sponsorship of Haresfoot shows, University concerts, etc.; legislative activities to promote legislation favorable to the University. In short, projects in which organized effort is used to promote the best interests of the University of Wisconsin.
- (3) One hundred or more active members in the Wisconsin Alumni Association.

Strong, active alumni clubs are important to the University of Wisconsin. All such clubs are helpful in carrying out the primary objective of the Wisconsin Alumni Association as expressed by its founders ninety-four years ago: To promote, by *organized effort*, the best interests of the University of Wisconsin. Every good alumni club is a unit for *organized effort*.

During the last decade, Wisconsin Alumni Clubs have become increasingly effective. Observation of these good clubs in action shows clearly that certain basic requirements are necessary to have a good club. All clubs that have these features are good clubs. On the other hand, clubs that lack these basic requirements are usually ineffective.

To accelerate this effectiveness and to increase the number of strong, active alumni clubs, your Association has approved the following membership and activity standards for Wisconsin Alumni Clubs.

- (1) Adoption of the standard constitution for alumni clubs approved by the Wisconsin Alumni Association.
- (2) All club officers and directors must be members of the Wisconsin Alumni Association.
- (3) At least one alumni club meeting each year.
- (4) Active sponsorship of at least one alumni club project annually, such as cash or loan scholarships; cooperation with University of Wisconsin Foundation; preview meetings; alumni club forum; alumni club directories; "send-off" banquets for prospective University students; membership campaigns; testimonial dinners for local high school teams, alumni, regents, or faculty members; sponsorship of Haresfoot shows, University concerts, etc.; legislative activities to promote legislation favorable to the University. In short, projects in which organized effort is used to promote the best interests of the University of Wisconsin.

These standards are to be considered as *minimum* because most clubs now have higher basic requirements than the four listed here. The sixteen clubs eligible for club directorships, for example, are doing considerably more than what is required in these membership and activity standards.

Once a year the Wisconsin Alumni Association will publish in the *Wisconsin Alumnus* an official roster of active, recognized alumni clubs. This roster will include all clubs that meet the membership and activity standards listed above. Clubs which do not meet these standards will not be included in the official roster.

Strong, active alumni clubs are especially important as the University gets ready to operate under the new coordination law passed by the legislature at its October session. The problems incident to this coordination system are complex and extraordinary, with manifold facets. The consolidation of the Milwaukee State College and the Milwaukee Extension Center, for example, presents a major problem that will not be easy to solve. It will take sound planning and lots of money to do this job effectively.

These coordination problems are important to you and all other alumni interested in the University's welfare and higher education in Wisconsin. Unless these problems are effectively solved, Wisconsin will not be ready to meet the educational needs of the vast army of students graduating from our high schools in the sixties. Good alumni clubs will help to find the right answers to these coordination problems.

These minimum requirements are also symbols of higher standards in alumni activities. From year to year Wisconsin alumni clubs have been raising their sights to do a better job for the University. Our alumni club system is one of the best in the Big Ten. The membership and activity standards listed above should help to make it *the* best.

*“End the quarreling,” state and private  
institutions are urged by President Fred*

# The Current Conflict In Education



**By E. B. Fred**

*President, University of Wisconsin*

AMERICA'S INSTITUTIONS of higher education have helped, in great measure, to make our nation what it is today—world leader, free, peaceful, productive, and forward-looking.

On that point most people seem to agree. The institutions of higher education have won this approval by years of working together to answer the needs of our people and of the country. But today, when higher education itself faces the great challenge of a rapid and probably permanent rise in enrollments, educators are divided, and some have fallen to quarreling among themselves.

This lack of unity is causing dangerous delays in the important task of preparing for the enrollments ahead.

The difficulties center in real and imagined conflicts of interest between *privately financed* and *publicly supported* institutions. Thus far, most of the controversy has been between extremists, but an unhealthy undercover struggle evidently is building.

A number of educational leaders have made efforts to analyze the situation and work out a rational program of cooperation. My purpose is to summarize some of these and to suggest a program of unity.

There are two areas of what might be termed “real” conflict:

1. *Competition for students.* State-supported colleges and universities have broadened their course offerings, improved their teaching, increased their scholarship and fellowship programs, kept fees relatively low, provided moderate-cost housing, made attempts to interest promising students, and have improved their public relations. These factors, combined with reluctance or inability on the part of some privately financed institutions to increase their enrollments at a time when more college-age students want higher education, have resulted in an increase in the proportion of students attending state-supported institutions. This trend has alarmed some who see its extension into the future when the heavy population bulge reaches college age.

2. *Competition for funds.* This problem has caused most of the controversy.

Inflation has seriously affected all of education because educational costs have risen faster than income. State institutions, with support provided on a somewhat current basis by legislatures, have not, in general, suffered as seriously as have private institutions which depend heavily upon essentially fixed endowments. But the advantage of the public

institutions appears greater from the outside than it actually is. Pres. John A. Perkins of the University of Delaware points out that "private colleges, in pleading for the alleviation of their fiscal plight, have made it appear that institutions publicly supported are 'in the clover.'" He adds: "Realistic appraisal of the situation indicates quite the opposite."

With war-built balances exhausted, legislators have been forced to raise taxes to take care of a backlog of postponed state building programs, increased demands for welfare expenditures, and the generally higher costs of state government. Most state-supported institutions have fallen victim to "economy" drives by state legislatures, and have both curtailed programs and sought support elsewhere. It is this latter action—the search for private gifts and grants—which has brought the two types of institutions into competition for funds.

**P**ROBLEMS CREATED by competition for students and funds have been intertwined. Some educators, concerned that the enrollment trend in favor of the state-supported institutions will destroy the healthy balance of American higher education, have suggested restricting the expansion of such institutions and have actually attempted to delay preparations for this expansion. One private university representative, concerned about the financial conflict, declared that "the taxpayers in each state should be continuously reminded of the high cost of public higher education and that beyond paying their taxes, they have no further obligations to this educational sector."

Pres. David D. Henry of the University of Illinois, describing the lengths to which the controversy has grown, points out that it has led some to contend that private education is a competitive enterprise to be identified in spirit, philosophy, and economic interest with private business, while public education, since it is government-supported, is "socialistic" and is to be identified with the philosophy of a regimented economy.

"Anyone familiar with American higher education knows it is false to represent public and private education as competitive doctrinaire agents in conflicting social and economic ideas," he answers.

Pres. Arthur G. Coons of Occidental College, in showing another direction the charges have turned, reports that some have sought to emphasize their own virtue by decrying "the Godless state university," forgetting that even though constitutional barriers may prevent or render impolitic formal instruction in religion in state colleges, "God is not without witness among all the thousands who administer and teach in state institutions."

Pres. Harlan Hatcher of the University of Michigan lists such other charges in this conflict as these: (1) The state-supported schools have low admission standards, (2) they recruit aggressively and competitively, (3) they charge token fees rather than full tuition charges, and (4) they offer scholarships at state expense to prospective freshmen with low scholastic records. With careful understatement he adds: "It is doubtful if these charges can be sustained."

There is less evidence in print of antagonism on the part of state institution partisans. Leaders of publicly-supported institutions make it clear, however, that such unfounded charges should be denied. There are also retaliatory suggestions which advocate reducing such governmental subsidies to private institutions as research grants to them and tax exemptions for their donors, their supporting foundations, and the private institutions themselves.

**B**ECAUSE OF THEIR great reservoir of general support, the educational institutions of our nation, both private and public, have the strength to harm each other with such charges. My point is that they should use this strength to help each other. My suggestions for such mutual aid are these:

● *End the quarreling.* All of our institutions have weaknesses we could remedy if we concentrated on improving ourselves instead of attacking other institutions. Higher education cannot afford to attempt to silence constructive criticism—its response to public desires and needs has made it what it is. However, unfair and untrue remarks about other institutions or other types of institutions demonstrate ignorance and envy, undermine public confidence in education generally, and show a lack of scholarly thinking.

● *Strive to improve public awareness of the problems facing all of higher education.* The American people have great faith in higher education and a tradition of supporting institutions in which they have faith. The public cannot know the needs of higher education unless these needs are outlined clearly and simply, and stripped of the conflict and confusion which bickering causes. America's institutions of higher education, regardless of their means of support, depend heavily upon each other for freedom, faculty, and for standards. Each college or university is handicapped by the weaknesses of other institutions. Improvement in the status of any institution is help to all the others.

● *Develop orderly procedures for counselling prospective students to replace present recruiting.* No institution can claim to be the best for all students, yet there are particular types of institutions which would seem to be best for each individual student. Publications for prospective students which have emotional rather than intellectual appeals, and which make unsubstantiated claims and offer questionable inducements, confuse rather than counsel prospective students and their parents. It is important that a greater percentage of our most able young people attend college or university.

The need for well-educated people was never greater. Recruiting costs for colleges, and confusion for prospective students can both be reduced, if recruiting practices emphasize cooperative programs aimed at helping young people make intelligent choices about college or university plans.

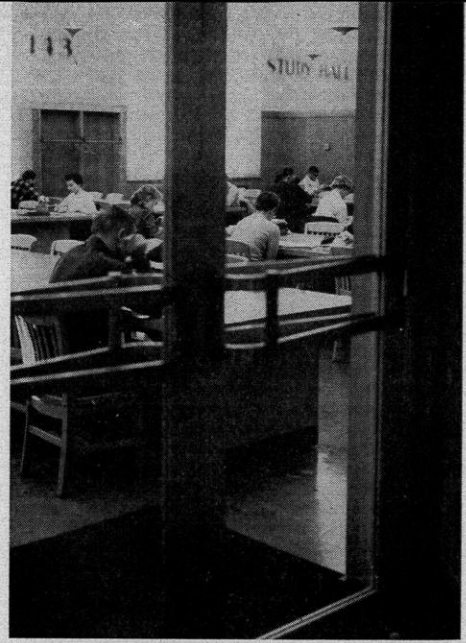
● *Support each other in fund-raising.* In unity there is strength, and every ounce of strength is needed if the enrollment challenge is to be met. There is probably not an institution of higher education in our nation which could not make productive use of more funds. When private institutions begin their fund drives, the voice of a public institution leader lending full support to the effort is effective. Similarly, the needs of a state-supported institution before a legislative body often are effectively spoken by the leader of a privately financed institution in the state.

America's community of scholars has built a long tradition of cooperative work in many fields, cutting across the limiting precincts of institution, state line, and even international barriers. This cooperation can be carried into the fund-raising field with similar effectiveness. Where it has been tried, it has been successful.

● *Encourage gifts which are self-supporting.* One of the unfortunate aspects of philanthropy is that it actually can become a burden upon those whom it seeks to benefit. The federal government, and more recently foundations and corporations, have grown aware that grants-in-aid for research create institutional costs for space, facilities, and

(continued on page 34)

# The Campus Likes The Library



Students find the library ideal for study.

**W**ISCONSIN STUDENTS have been finding out just how useful a modern library can be.

"The use of the Memorial Library during the second year of our occupancy indicates that there is an increasing awareness of the value of the Library in the educational and research program of the University," was the way the directors of the \$5 million Memorial Library put it in a recent report.

*Item:* Enrollment increased 4.4 per cent in the 1954-55 year, but students and faculty drew out 18 per cent more books for home reading than they did the year before.

*Item:* On January 3, 1955, the circulation department charged out 1,109 books, the all-time record.

*Item:* Students are using 16 per cent more books on "closed reserve" in the building, and 39 per cent more in the general reading room where they can make their own selections.

The new Library has inaugurated an undergraduate browsing collection of

new fiction and non-fiction. Never has less than 42 per cent of the titles in the collection been circulated in one month. The highest figure reached 72 per cent. Pointing to the modest amount of money spent in support of this program and to the fact that two thirds of the books find further service in the book stacks or on reserve, the directors report "there is every reason to regard this experiment as an all-round success."

Students also are making greater use of reference collections and services of librarians. Some 11,611 persons used the documents, archives, rare books and materials on the social studies and humanities. The number of questions which required library-trained personnel to dig out the answers was 7,008.

This past year, 45,923 volumes were accessioned—a new record, according to Library directors. The total was affected largely by the number of bound serials transferred from the State Historical Society, acquisition of the Thordarson Collection which is considered one of the best holdings in natural science his-

tory in the nation, and the processing of several small collections.

Two important collections came to the Library as gifts. One, of Hebrew literature and history, was presented by Rabbi Joseph L. Baron of Milwaukee; the other, comprising first editions of the works of Mark Twain and Twainiana, was the gift of Norman Bassett of Madison.

To the Midwest Inter-Library Center at Chicago, a repository for the lesser used books of 15 cooperating university libraries, the Memorial Library shipped 11 tons of materials including 20,000 foreign dissertations, and will catalogue, arrange and service the documents, books and dissertations, and place them in a common pool of material which is available to member institutions through teletype request.

In surveying the use of the Memorial Library Building, the report said that "the (study) carrells continue a popular feature of our new library, so much so that at examination time stack permits are passed around by students who otherwise could not get into the book stack."

Students have been so eager to make full use of the new facilities that Student Senate requested the Library to keep open two reading rooms on the first floor until 11 p.m. during 'closed' social periods. Enough students availed themselves to the opportunity to make the effort worthwhile, the report added.

Moreover, use of Library seminar rooms by 17 departments, 49 professors and for 65 different courses in the first semester alone has contributed toward easing University space problems. In addition, the Extension Division's bureau of audio-visual instruction will soon move into the basement.

The Library as now seen across an improved mall.



## New UW Plan Gives Graduates Teacher Training

**T**O HELP EASE the growing shortage of teachers, the University has instituted a new deal in the School of Education

Under the plan, men and women who have earned the bachelor's degree in liberal arts colleges may now, in two semesters and a summer of resident study at Wisconsin, earn both a master's degree and teacher's certificate.

Dean Lindley J. Stiles explains: "We have felt free to reverse the usual order of some requirements because we expect these graduates to be more mature, to be superior students because of the 2.75 grade point average we require for entry, and to have intensive training in academic subjects they might choose to teach."

Likely candidates for two of the programs set up include:

- well-educated men and women who find themselves unprepared for congenial jobs;
- those who have tried a field in which they do not wish to continue;
- married women whose husbands are still in the University and who wish to prepare to earn a living;
- older women whose families are grown and who wish to enter the teaching field;
- widows who find it necessary to earn a living.

Another program is geared to those equipped to teach in secondary schools but who prefer to teach younger children, and to those who wish to strengthen their potential as future principals, supervisors, or superintendents of schools by preparing themselves in both the elementary and secondary fields.

"Graduates of all these programs have the advantage of the higher salaries which teachers with masters' degrees command," Stiles observes.

In previous years the School has required students to take 18 credits in education courses and a year's program of prerequisites for student teaching before they could enroll as graduates. Under the revised rules, the liberal arts graduates are permitted to combine undergraduate and graduate courses in their programs.

## Sundt Scholarship Set Up

All alumni are invited to contribute to the National "W" Club's campaign to provide a substantial endowment for the Guy M. Sundt Memorial Scholarship, set up last month by the Board of Regents, "W" Club President Frank Birch announced last month.

Charles Fenske of Madison was named chairman of the campaign committee by Birch.

Contribution checks may be made payable to the Guy M. Sundt Memorial Scholarship and mailed either to the National "W" Club, Box 2125, Madison, or to the Secretary of the Board of Regents, University of Wisconsin, Madison.

The scholarship set up by the Regents with an initial anonymous gift of \$500 will be for present or prospective University students "who have demonstrated their ability to produce a high grade of scholarship, and whose character, achievements, and leadership are representative of those superior qualities identified with the late Guy M. Sundt." A special faculty committee will select the recipients.

### Wisconsin at Top

## Training Grounds for Scientists

A dozen or so large universities—among them Wisconsin—form the nation's key training ground for scientists.

More advanced students receiving doctorate degrees in the natural sciences during the period 1946-50 were educated at these 12 leading universities than at all other schools combined. These dozen schools trained 5,748 of the 11,407 students who were granted doctorate degrees.

Not only did most young scientists obtain their advanced training at one of these 12 schools, most of them did their undergraduate work at one of 20 leading universities, a National Research Council study shows.

During this period, 1946-50, the University of Wisconsin ranked first in the nation in the number of students—689—who successfully completed their studies and research for the highest of all academic degrees, the doctorate.

Following Wisconsin were Cornell with 559, MIT with 552, California (Berkeley) with 543, Illinois with 517, Ohio State with 516, Harvard with 445, Minnesota with 427, Chicago with 410, Columbia with 384, Purdue with 364, and Michigan with 342.

In a previous period, 1936-45, the first five schools in the nation in number of scientific doctorate degrees granted were Cornell, Wisconsin, Illi-

nois, Chicago, and Columbia, in that order.

The first 20 schools at which these scientists studied as undergraduates:

California (Berkeley)—355; City College of New York—296; Illinois—276; Chicago—244; Harvard 214; Minnesota—208; Wisconsin—204; MIT—195; Michigan—168; Ohio State—166; Brooklyn College—165; Cornell—165; Penn State—131; California (Los Angeles)—125; New York—124; Purdue—123; Columbia—119; Yale—117; Iowa State—113; Washington—100; Cal Tech—100.

This was just what the National Research Council had expected. In explaining the purpose of its study, the body of the National Academy of Sciences reported:

"It is believed that some undergraduate institutions produce a relatively high percentage of graduates who go on to doctorates in the natural sciences and it was considered profitable to identify these institutions."

The scientific fields at Wisconsin in which most doctorate degrees were granted during 1946-50 are: 85 in agriculture, 36 in bacteriology, 109 in biochemistry, 62 in botany, 162 in chemistry, 46 in engineering, 22 in entomology and geology, 26 in mathematics, 40 in physics, and 35 in zoology.

# Who Says American Kids Can't Learn Foreign Languages?

By **PROF. JOSEPH PALMERI**

*French and Italian, Extension*

and

**PROF. LESTER W. J. SEIFERT**

*German, Extension*

THAT "AMERICANS have no gift for learning languages" is an often used cliché. It is either stated or implied that Europeans are much more capable than we in this respect. Of course, there have always been people who have held that the real trouble lies in the fact that Americans begin the study of foreign languages too late in life. Foreign language courses have in recent years been given to children at many places in the United States and these children have shown such competence in learning a second language that it is no longer possible to blame nature for our own faults.

The University of Wisconsin has played a leading part in experiments to test the effectiveness of teaching foreign languages to children. In 1953-54, the Department of German gave an hour of instruction on twelve Saturday mornings to children of the fourth and fifth grade levels. In 1954-55, the University Extension Division, cooperating with the Madison city schools, the School of Education, and the Departments of French, German, and Spanish, enlarged the program to include courses in all three languages. About 200 youngsters aged 8-11 came to the campus for instruction on eighteen Saturdays.

The University has undertaken these children's programs for several reasons. It is interested in developing and testing methods and materials suitable to the early age levels. Since it is one of the University's functions to prepare foreign language teachers, the experience gained in these programs will be invaluable in preparation of effective teachers for the

## Center Fund Grows

*With gifts still coming in,*

*it's not too late for you to act!*

A MONTH AFTER the first of 100,000 Wisconsin Center brochures went into the mails, the University of Wisconsin Foundation reported "credible" returns.

However, the full extent of general alumni contributions toward the Center building—so important to Wisconsin's adult education program—won't be known for months.

The first month's returns brought exactly 732 contributions, reports Robert Rennebohm, executive director of the Foundation. These donors averaged almost 30 dollars each, making the total received \$21,681.

"Gifts have ranged all the way from fifty cents to \$2,650—and we welcome them all," Rennebohm said, in discussing the averages. "Each one reflects a feeling of loyalty and gratitude to our Alma Mater."

He said that the Foundation will publish an honor roll listing the donors (not the amounts.)

Competition between the various

classes, while unofficial, has produced some interesting results. Particularly encouraging are the great numbers of donors in the post-World War II classes—who now are also wrestling with the problems of home ownership, parenthood and new jobs.

This group is proving the wisdom of the late George Haight's statement, made a few days before he died, which is a challenge and a slogan to all Badgers:

"These men and women are the strength of Wisconsin—and Wisconsin is their strength."

\*

While alumni response to the Foundation appeal has been acceptable, it has hardly been overwhelming.

This is true because alumni giving is a relatively new thing at Wisconsin—

for most of us. However, this idea that all former students owe a debt to their Alma Mater for value received has been finding increasing expression at other state-supported Big Ten universities. For years it has been true at private institutions.

Recent reports present this picture of alumni support at Big Ten universities:

Ohio State	---20,586	Alumni Donors
Michigan	---- 6,646	Alumni Donors
Michigan State	- 4,822	Alumni Donors
Minnesota	---- 4,300	Alumni Donors
Purdue	----- 3,466	Alumni Donors
Indiana	----- 3,019	Alumni Donors

Such programs are going a long way to meet what we hear called the "Crisis in Education." And there's no question that Wisconsin alumni will meet this challenge—once we acquire that "giving habit."

future. Finally, it was hoped to demonstrate to parents and educators that the proper age for beginning second language learning is childhood, and hence, that such instruction belongs in the curriculum of the elementary schools.

The method of instruction was basically the same in the three languages, namely by means of the spoken word as distinguished from the reading-and-writing approach. Abstractions were avoided; songs, and even everyday greetings, were acted out. Materials and situations were used that have real meaning for children. So great use was made of objects present in the classroom or brought for a specific purpose. The children learned the word for table in a definite context by following the direction: "Geh' an den Tisch!" and by giving the same direction to others in the class. Color names were not learned abstractly—the teacher held up a piece of paper and taught the children to say: "El papel es blanco." A toy car was shown and the children learned the name by saying: "Voici l'auto." In the beginning sections, pupils were sent to the board to draw objects and people, including the teacher; these often turned out to be humorous caricatures. Since children like to play, they learned the terms connected with games native to the culture of the language they were being taught.

In general, the youngsters took to learning a foreign language enthusiastically. Attendance was unusually good. Problems of discipline that so often plague elementary school teachers were exceptional. This is very likely due to the fact that the children were genuinely interested; thus

Many Wisconsin elementary school children are getting an introduction to foreign language study by listening to radio programs originating from the campus station, WHA.

Two series of weekly lessons in conversational French are broadcast by the Wisconsin School of the Air.

their attention was held at a peak and they were eager to participate. Choral and individual participation were constantly alternated to avoid the chance of boredom. It was especially necessary to vary activities because of the length of the period and all the teachers were convinced that much more could be accomplished in shorter but more frequent periods.

The enthusiasm of the children in the classroom was also carried outside. They were heard singing the songs and practicing the expressions they had learned. Parents reported that their children wished to use this newly gained knowledge in the home, often "showing off" with it. When one child's parents knew nothing of the language he was learning, he was heard "teaching" it to his pet guinea pig. Apparently such enthusiasm had an affect upon parents, for some of them expressed a desire to attend these courses so they too might learn the language with their children.

The one question most often asked at the "commencement exercises" was: "Will this program go on next year?"

## Diversified Division

### Extension Loses Out on Building

THE EXTENSION Division is one of the University's most far-flung enterprises—from points of view both of service to the state and in the scattered locations of its Madison headquarters.

The Division, in fact, calls something more than a dozen sites "home," including the football stadium at Camp Randall and its headquarters in the Home Economics building on campus. Last month Extension Director L. H. Adolphson announced plans that would increase this number by at least two.

It is no fear of atomic attack that is causing this further dispersal.

It is the pressure of circumstances.

For some time now, the Extension Division has been at the top on the building priority list of the University. The state a few years ago, in fact, did appropriate about \$375,000 toward remodeling and new construction at the stadium so it could be used as Extension headquarters.

However, since that time, the stadium remodeling has turned out to be impractical, and no other building sites have been advanced, at least officially. The \$375,000 remained in the state treasury.

Last month, the *Alumnus* told how the State Building Commission allotted \$1,213,645 to the University for a poultry building, heating station addition, genetics barn, pre-school teaching laboratory, Birge Hall equipment and Agricultural hall remodeling—all much needed projects.

The Extension Building was, however, among the missing. The Building Commission, in fact, had used the \$375,000 originally allotted for Extension building to help finance the other projects.

Adolphson reported on this turn of events in a divisional newsletter. He commented: "Since it now will obviously take considerable time before a new building could possibly be erected, even at best, we are moving ahead to try to

secure whatever additional space we can in order to provide as comfortable quarters as possible for all our staff members. . . . While these moves will help somewhat, they will not solve all of the pressing space problems."

These space problems have become more pressing, incidentally, for several reasons. One is that Adolphson is now director of the Summer Session, and his staff in that undertaking will be moving from the Education building, where it's now housed. Moreover, the Extension Division recently created a new department of nursing, which requires at least some space.

Accordingly, the Bureau of Information and Program Services will be moved to the basement of the University Library, and the space thereby vacated on University Avenue will be shared by the Office of Editorial Services and the Bureau of Audio-Visual Instruction. The Extension's Political Science department will be housed in South Hall, and



the Slichter house on North Frances street will be occupied by Extension units.

Meanwhile, Wisconsin Extension officials enviously eyed such neighboring institutions as Minnesota and Michigan State, where adult education facilities are integrated in impressive buildings.

And these same officials practically wrote off the possibility of getting started on an Extension building next year—which has been designated by the Regents as the "Golden Jubilee" year of the Extension Division.

## FACULTY

### Honored and Appointed

Appointed to the Alumni Records committee was *Prof. K. E. Lemmer*, surgery.

*Prof. Karl Paul Link*, biochemistry, was a recipient of one of 13 Lasker Awards granted by the American Public Health Association for his outstanding achievement in medical research.

*Dr. Leo Kanner*, child psychiatry authority and author of "In Defense of Mothers," will serve as Knapp visiting professor at the UW next semester.

*Prof. James S. Watrous*, art history, will design and execute two eight by ten foot mosaic murals that will decorate the lobby of the commerce wing of the Social Studies Building.

*Robert Dick*, Madison radio man, is now radio and television coordinator for the University Extension division.

### Men of Letters

*Prof. Paul F. Sharp*, history, has had his newest book "Whoop-Up Country," dealing with the Canadian-American West between 1865 and 1885, published by the University of Minnesota Press.

### On the Move

*Prof. William J. Rundle*, mining and metallurgy, has resigned to join the Cyprus Mines Corp. with headquarters in Los Angeles.

### Necrology

*Prof. E. Earle Swinney*, music, on June 10.

*Dr. Noel A. Gillespie*, anesthesiology, on August 21.

*Dr. Arthur L. Tatum*, pharmacology, who had retired in 1954 after half a century of important research work and teaching.

# Faculty Refuses to Turn Down Ford Foundation Funds

A University economics professor's attempt to get a faculty vote of criticism for a Ford Foundation grant-in-aid program in sciences was defeated in November by an overwhelming vote of the University of Wisconsin faculty.

The Ford Foundation program which drew *Prof. Walter Morton's* attack will provide up to 100 grants-in-aid, each worth \$4,250, to scholars throughout the country in such behavioral sciences as psychology, anthropology, and sociology. The Foundation asked the University to nominate 10 possible recipients, but advised that not all would be certain of obtaining the support.

The request for University nominations and the retention by the foundation of the final decision on who would get the awards were the points *Prof. Morton* criticized.

He attacked the program as "Foundation interference in the University research program."

His resolution would have instructed the secretary of the faculty "to advise the Ford Foundation that in our opinion genuine freedom of research, the gener-

ation of new ideas and insights, and the advancement of knowledge will best be served if the Ford Foundation follows the precedent of the Wisconsin Alumni Research Foundation and makes a direct grant to the University of Wisconsin for research in what they designate as the behavioral sciences, without any strings attached, for administration by the University Research Committee under the traditions of this University."

*Prof. William H. Sewell*, former chairman of the University's Social Science Research Committee and a professor of rural sociology, led the faculty arguments against the resolution.

"I personally do not find the threat of dictation in this program," *Sewell* said, "and the resolution proposed is discriminatory legislation. It would prohibit the Social Science Research Committee from seeking research support in any way except that which *Prof. Morton* outlines, while allowing the other University areas—the natural sciences and humanities—to obtain support much in the same manner the Ford Foundation program contemplates."

# Regents Welcome Gifts, Grants

Total gifts accepted by the regents in November were \$58,893.93, and grants totalled \$103,085, including \$10,338.75 to establish a loan fund for needy and worthy medical students. The sum was given to the University by *Richard Hartenstein*, Milwaukee, and will be named after his son, *Dr. Hans Hartenstein*, a UW Medical School graduate now practicing in Syracuse, N. Y.

A \$9,750 scholarship fund was accepted from the trustees of the University of Wisconsin Trust, Estate of *Thomas E. Brittingham*, for the education of foreign students at Wisconsin.

### Gifts

Epsilon Sigma Phi, Madison, \$10; Duke-Lab Foundation, Inc., Stamford, Conn., \$500; Anonymous, \$1,400; *Mr. George S. Kaufman*, New York, \$2,000; *Mrs. Fred Naef*, Verona, \$5; *Mrs. Mildred B. Wedemeyer*, Madison, \$18; Wisconsin Life Insurance Co., Madison, \$250; CUNA Mutual Insurance Co., Madison, \$1,500; Northwestern Mutual Life Insurance Co., Milwaukee, \$2,000; Waupaca County Banker's Association, \$400; 1955 graduating class of the School of Banking, \$538.18; Foundry Educational Foundation, Cleveland, \$2,250; Trustees of

the University of Wisconsin Trust, Estate of *Thomas E. Brittingham*, \$9,750; Friends and relatives of *Mrs. B. N. Lee*, Holmen, Wis., \$50; *Lindon E. Saline*, Schenectady, N. Y., \$30; National Plant Food Institute, Washington, D. C., \$200; *Alexander Grant and Co.*, Chicago, \$250; General Motors Corp., Detroit, \$5,650; *Smith, Kline and French Laboratories*, Philadelphia, \$1,000; *Dr. J. G. Rosenbaum*, Cleveland, \$100; Manawa Community Chest, Manawa, Wis., \$230; *S. B. Penick and Co.*, N. Y., \$1,320; *Kramer Business Service, Inc.*, Madison, \$100; *Aileen S. Andrew Foundation*, Chicago, 32 shares of Goodyear Tire and Rubber Co. common stock (value \$1,844.88); *Mr. Earl H. Winslow*, Schenectady, N. Y., \$10; Madison Chamber of Commerce and Foundation, \$150; *Mr. J. Lowell Craig*, Milwaukee, \$150; Dodge County Bankers Association, \$250; *Bates and Rogers Foundation*, Chicago, \$1,600; *Mr. H. W. Story*, Milwaukee, \$500; *Harry W. Adams*, Beloit, Wis., \$500; Citizens National Bank, Marshfield, Wis., \$200; First American State Bank, Wausau, Wis., \$200; Value of securities given by *Richard Hartenstein*, Milwaukee, \$10,338.75; Dane County Bankers Association, \$600; State Bank of Elkhorn, Wis., \$200; *Clark-Taylor Bankers Association*, \$1,200; Wood County

# Campus Chronicle

By Donna Anderson, '56



*Donna is from Fort Atkinson, and a major in home economics journalism. A very active gal extra-curricular wise, she currently presides over AWS . . . that form of student government known as Associated Women Students.*

**A**FTER SOME juggling and re-juggling, three political parties emerged on the campus scene for November elections. Their platforms were supported by many of the same planks. All promised to work for better student parking facilities, high student wages, and improved housing.

It was good to see all Student Senate positions contested. Not so good was the poster war that developed. One party complained that their posters were taken down faster than they could put them up. Senate has decided that its time to tighten election rules.

The race for treasurer of the Wisconsin Student Association was close—in every way. Don Jones and Bill Lengacher are roommates. Don won by 14 votes of 2138 votes cast.

\*

A Madison City council meeting attracted wide interest when a bill to ban the sale of beer on the campus was introduced. An alderman stated, "I don't feel that beer is a necessary part of either the student's education or his diet." It seems that students didn't agree with him.

One student armed with a Student Senate resolution appeared at the meeting to point out that the ordinance would not bring about a satisfactory solution to the student drinking

Bankers Association, \$200; General Electric Educational and Charitable Fund, Schenectady, N. Y., \$750; Alcoa Foundation, Pittsburgh, \$125; NEPCO Foundation, Port Edwards, Wis., \$360; Wisconsin Upper Michigan Florists' Association, Appleton, Wis., a plastic greenhouse, to be used during the period Nov. 1, 1955 through Oct. 31, 1958; Students, alumni and friends of the University of Wisconsin School of Pharmacy, a portrait of Dean Arthur H. Uhl painted by Prof. Robert L. Grilley of the art education department, (valued at \$850); A. J. Sweet of Madison, Inc., \$200; New York Life Insurance Co., \$5,000; Mr. Frank W. Sosman, Cleveland, copy of the first edition of "On Wisconsin,"; Oscar Mayer and Co., Madison, \$300; National Institutes of Health, Bethesda, Md., \$6,509.

## Grants

Pittsburgh Plate Glass Co., \$250; Travenol Laboratories, Inc., Morton Grove, Ill., \$3,600; Midwestern Universities Research Association, \$3,780; Barley and Malt Institute, Chicago, \$4,500; Leukemia Society, Inc., New York, \$1,000; Hardy Salt Co., St. Louis, \$500; estate of Dr. Sobey Okuyama, Genesee Depot.

(continued on page 28)

problem, but would tend to create a number of more serious problems.

The bill was referred to a specially appointed committee. Meanwhile the Rathskeller is holding its alcoholic breath until January when the committee will give its report.

\*

Talk of circulating an anti-discrimination petition turned into action after Thanksgiving. The petition asks the University to enforce its policy regarding discrimination in housing. This includes withdrawing approval and listing from all houses that exercise discriminatory practices on the basis of race, religion, or national origin. Over 20 campus organizations have endorsed circulation of the petition and an educational program to precede it.

Panel discussions by members of the Independent Student Association (long time advocate of the petition), Student Senate, and other organizations are being presented in houses throughout the campus.

There are those who believe that the value of the program will be in the opportunity to discuss the issue objectively. By "sifting and winnowing" students may get a clearer picture of the problems involved and reach methods by which discrimination can be combatted on an individual level. It requires getting down to basic attitudes.

Others have called for legislation and its enforcement as the main solution to the problem. They are putting their hopes primarily in the petition.

The two methods of approach have merged in a campaign to last until Christmas vacation.

\*

From the results of a questionnaire sent out by the Associated Women Students it looks like co-eds are community minded. The questionnaire was sent out to a group of co-eds in order to discover interests and opinions as an aid in planning Co-ed's Week in February.

Almost 350 said that they plan to take part in community activities after graduation. Only ten said they did not plan to participate. Almost every type of organization was represented in their selection of activities. And a very popular choice was alumni groups!

## Goodbye, Chicken Coops!

For years, the first view of the University of Wisconsin obtained by travelers in-bound to Madison on University Avenue has been a series of chicken coops forming the southern limits of the agriculture campus.

Now it appears that this bucolic atmosphere is going to fade away.

For the University is going to take its chickens elsewhere.

When the chicken yards were first established on University Avenue, the area was not heavily built-up. Since that time, though, homes and apartments have crowded into the area and the chickens, with their early-morning serenades, have generated an increasing amount of protest from the neighbors.

The University has been seeking funds for some time to move the chickens, and in October, the State Building Commission appropriated \$220,000 for a new Poultry Research building. The Regents last month decided to locate it at a site east of the Seeds building on the College of Agriculture campus.

The Regents also agreed to put a new Genetics Barn in the same area. The State Building Commission had provided \$110,600 for this structure, and the University received an additional \$19,000 in fire insurance funds to cover the loss of the old Genetics Barn which burned last July 22.

# CO-OP DORMS

...an experiment  
in "low-cost" housing...

Virtually every resident of the new dorms is a scholarship winner and residents are recommended by the University office having scholarship responsibility. Here, during a room arranging session are Sue Christenson, Kenosha, Sandra Calvert, Benton, and Barbara Koester, Watertown.



**T**WO NEW DORMITORIES—the first to utilize state funds, except the short course units, since Barnard hall was built in 1913—went into operation in October. Both are located in the residential district south of University Avenue. One houses 50 co-eds and the other has rooms

for 55 men. They are very similar in construction except that the co-ed's house includes dining facilities. The men mostly have meal jobs outside. Rentals run about \$500 a year for the women, \$180 for the men. These simple structures may point the way to partial solution of the housing crisis.

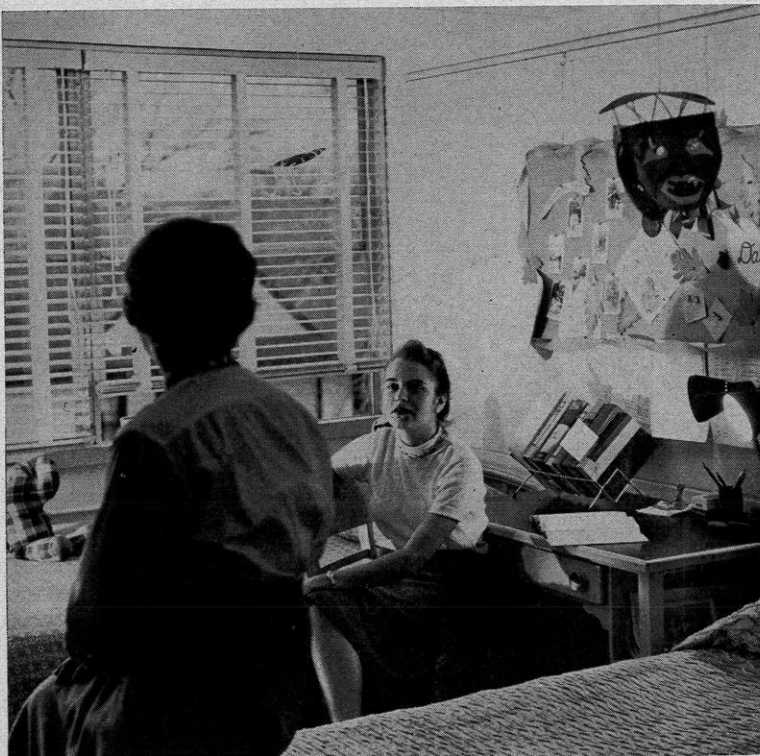


First floors contain lounges of modest size and simple although tasteful furnishing. At left, Sandra Danielson, Abbotsford, Barbara Heinrichs, Elkhart Lake, and Lois Arneson, Milwaukee, interrupt a record session when mail arrives.



Houses are cooperative and residents do virtually all their own work—as Barbara Koester demonstrates. Women's dorm, with dining facilities, cost \$3,388 for each living space created, of which state funds paid \$2,180. Men's dorm cost less, \$2,406 for each space, with the state share being \$1,364. The balance of the cost is amortized over 40 years.

At right, Lois and Barbara, roommates, love the building, its newness, and friendliness. Rooms are small but adequate. Both houses have housemothers in residence on the first floor.



The exterior view is of the men's dorm, on 123 N. Orchard. The women live at 915 W. Johnson. They aren't directly under the residence halls, organizationally speaking, but have their own board of directors, including two faculty persons and three students. Residence halls directors, however, watch with interest. In December the Regents decided to name the men's house after David Schreiner and the women's dorm after Zoe Bayliss.



Barbara Heinrichs was at the books when interrupted for this picture. Men's rooms are similar in size, but have double-decker beds.



# Wisconsin Women

• • • with Grace Chatterton

## "DO IT YOURSELF DIPLOMACY"

YOAN—Youth of All Nations, Inc., an international ideas exchange, functions through correspondence between young Americans and the youth of other countries. Not everyone can be exchange students or even tourists, but we can learn about other peoples and cultures through globe-trotting by mail via YOAN. This strictly non-political, non-sectarian, and non-profit organization was founded some years ago by Clara Leiser, '24. Its valuable work has been highly praised in the United States Congress by members of the House and Senate Committees on foreign relations. Now, Clara hopes that her fellow alumni will be interested in supporting, in a practical way, this pen pal diplomacy. She urges all of us to learn more about YOAN and also tell young relatives and friends about this way of "building better international relations." YOAN is located at 16 Saint Luke's Place, New York 14, New York.

## PHY ED GRADS, NOTE!

The University of Wisconsin—Blanche M. Trilling Scholarship of \$600 is available to interested graduate students with experience in teaching physical education. This scholarship carries with it a waiver of the out-of-state tuition. Apply to the Graduate School, Bascom Hall, University of Wisconsin for application blanks. Application blanks must be in by February 1, 1956.

## REWARD FOR TEACHING

Grace Biles Wyatt, '26, was recently named "Teacher of the Month" by the Detroit Teachers Association. She teaches home and family living courses, English and General Language at Nolan Intermediate School. Grace Wyatt organized and developed the home and family living classes because she believed that many personal and group problems are ironed out through an interchange of ideas. "For many students it was the first time that the boys and girls fully realized and understood that others have the same problems, similar frustrations, uncertainties, feelings of insecurity and a deep desire to be wanted and needed." A former student stated, "An entire generation of children in northern Detroit has grown up much the better citizens for their contact with this wonderful teacher and person."

A native Detroiter, Grace majored in Spanish and French on the Wisconsin campus. She is keenly interested in the Leader Dog program because of her husband's numerous contributions to this work. She has an active interest, too, in sports because her son participates in many.

A reception honoring Grace was given this fall by the Detroit Historical Society and the Detroit Teachers Association.

## GRAND WINNER

Ann Dre Schlimgen House, '48 (Mrs. Joseph P.) is a young woman of many talents. Not so long ago she was graduated from the University with honors in home eco-

Ann Dre House:  
"Artist of the Future"

nomics. Now she is known in the Milwaukee area as an outstanding young musician, the charming wife of a patent attorney, and the devoted mother of a small son and daughter aged 4 and 2 years. Certainly her University home economics training must have helped give her the ability to do all of these things at the same time, do them exceedingly well, and enjoy them all, in addition.

Back in her University days Ann Dre was best known musically for her talent as a pianist. In fact she won a University Music Clinic scholarship for ability in this field. Then she began singing, and during her senior year was named an "Artist of the Future" and placed among the finalists chosen from a 5 state area to audition for the Metropolitan.

Almost every month now Ann Dre appears as soloist in important Milwaukee musical productions. This month she is singing one of the lead roles in "Hansel and Gretel" which is being produced by the Florentine Opera Co. A few weeks ago, she gave a recital, by invitation, at the Milwaukee Art Institute, and was the understudy for the Metropolitan star who was guest soloist with the Waukesha Symphony Orchestra.

Last summer several hundred women soloists competed for honors in the *Milwaukee Journal* Music Festival. There were 18,000 persons in the stadium when Ann Dre was named the grand winner. Two of the happiest and most thrilled people present were her parents, Angela Sullivan Schlimgen, '18, and Lucian Schlimgen, '20.

Television audiences hear Ann Dre frequently, too. When she appears on this medium or at the Veteran's Hospital at Wood she plays her own piano or vibra-harp accompaniments.

After the holidays Ann Dre will be busy helping to make the Mozart anniversary celebration in Milwaukee one long to be remembered.

*Editor's Note: As this issue of the Alumnus was ready to go to press, Wisconsin Women's author was in Washington as a Wisconsin representative to the White House Conference on Education. Next month, we'll ask her for a full report on her experiences—which were undoubtedly shared by many another alumna.*



# MIND

By Jack Speiller

VS.

# MACHINE

**W**ILL ELECTRONIC computers change the world as much as the invention of the wheel, the steam engine, and atomic energy? The manager of General Electric's aircraft gas turbine division, H. R. J. Grosch, said yes to that question when he spoke recently at a University conference on computing.

And the evidence of the last 14 years, during which computing snowballed into the giant industry it has become, suggests that Grosch may be right.

Are we on the threshold of a computing age? And what of the displacement of human effort in a world of electronic brains? What one of us has not visualized a factory run completely by mechanical robots?

Let's see what the machines can do, what they may be expected to do in the future, and what their limitations are.

Hub of the University of Wisconsin's computing activities is the Numerical Analysis Laboratory. Here are the mechanical computers that gobble mathematical information fed to them, and digest it into meaningful material for scientists to interpret.

Prof. Preston C. Hammer, Director of the laboratory, says that these machines work to focus data for the scientist just as a microscope focuses on what is important on a slide preparation.

The uses of computing machines would stagger the imagination of a science fiction writer. Costly physical experiments need not be carried out at all. Instead, they can be successfully imitated on computing machines. For example, atom bombs were largely designed by calculating what their performance would be ahead of time, and then verifying this performance by constructing only a few of them.

In the aircraft industry, increasing use of applied math and computation enables experimental procedures on paper which are not only cheaper, but which allow more possible design types to be explored without constructing each model.

In astronomy the calculators figure the orbits of planets and the actions of the tides, besides delving into the mysteries of theoretical astronomy.

Complicated physical and chemical phenomena can also be expressed in terms of elementary principles through the use of high-speed computers. Use of hand computers for the same purpose would require a fantastic amount of work.

As Wisconsin Prof. Joseph Hirschfelder recently pointed out: "An IBM 701 calculating machine can in one hour perform the work of a skilled operator punching an electrical calculating machine for a period of fifty years."

Prof. Hirschfelder has been working on the development of a mathematically rigorous theory of flame propagation at the University of Wisconsin Naval Research Laboratory since 1947. Computing machines help solve many complicated chemical equations in his research.

Another type of work the versatile computers undertake is a very "practical" one. The results of calculations on a computer run a milling machine to cut out complicated surfaces on materials. Once the digits are fed to the machine, the task is entirely mechanical, until surfaces are cut.

The "electronic brains" are also at work in meteorology. "Operation Fingerprint," now in its second year at the University, has as an ultimate goal a more accurate long-range forecast of weather.

The project, which is sponsored by the U. S. Air Force, uses electronic machines to derive code numbers to apply to pressure patterns on weather maps.

*(continued on page 38)*

$$\begin{aligned} &\sum_1 S_{(s)} \sin rs = S'_{(s=.04)} \sin .04r \\ &+ S_{(s=.08)} \sin .08r \\ &+ S_{(s=.12)} \sin .12r \dots \\ &+ S_{(s=8.00)} \sin 8.00r \end{aligned}$$

It is desired to evaluate this sum for the whole range of  $r$  values between  $r = 0$  and  $r = 10$  with increments of  $r = 0.1$  or  $r = 0.2$ .

It takes a University of Wisconsin electronic calculator 2.7 minutes to find each sum. It would take an ordinary desk calculator nine hours, or a pencil-wielding human 22½ days, not including coffee breaks.

### Fifteen Wisconsin Alumni Clubs.

Thirty-eight top-notch, deserving, scholastically equipped students.

Ten thousand dollars a year.

THESE STATISTICS sum up the story of a growing phenomenon—the establishment of scholarships for University of Wisconsin students by alumni clubs whose organized effort indeed is furthering the best interests of the University.

The chart following these pictures indicates details of the various alumni club scholarship plans. Yet, while there is a variance in their *modus operandi*, they generally bear one similarity: the funds come into being as a result of wide participation by individual alumni.

This participation may come simply through giving to the club scholarship trust fund. Or it may come by contributing generously when the hat is passed at halftime during showings of football movies. Or by taking in a dance, or a book review. All these have been sources of club scholarship funds.

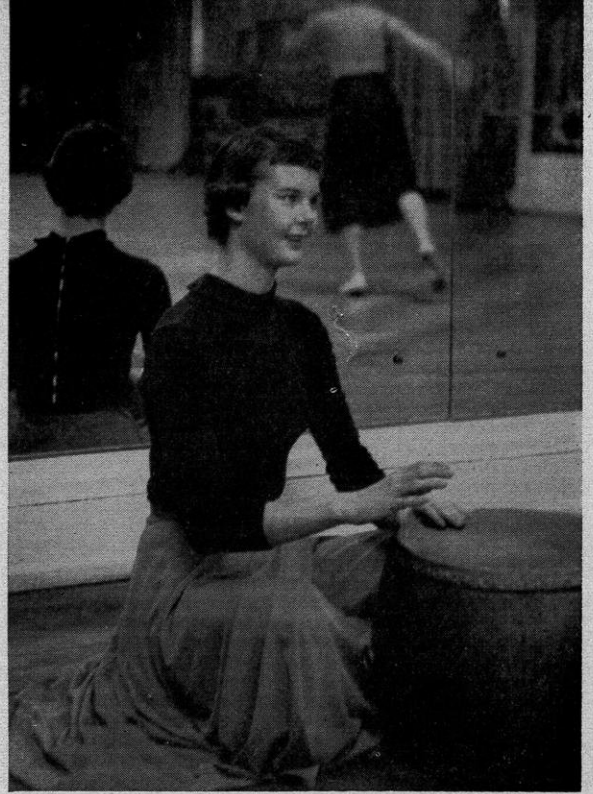
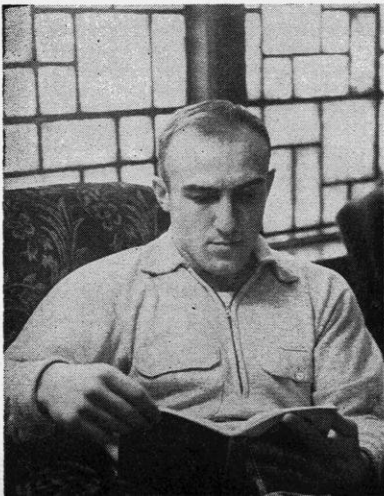
Some of these alumni club trust funds are self-perpetuating. Some draw on interest from investments. On the other hand, some clubs raise their money annually. At least one club combines these systems. The right method depends on the size of the club, its finances, and other factors.

One advantage of the trust system is that it makes gift money tax deductible. However, all gifts directly to the University are also tax deductible, within limits, and the UW Committee on Loans and Undergraduate Scholarships can help any club work out its own ideal system.

Presently, awards are often given directly to the recipients by local alumni clubs. In some instances, the University administers the funds, and the club reserves the right to nominate the students to be considered for the awards. Some clubs let the University administer the funds *and* make selections.

(In addition to the clubs listed on the chart, there are three clubs which are helping students through contributions to loan funds. These will be discussed in our next issue.)

Ron Rosandich (Sheboygan Club) is a first year medical student who lives at Newman Club.



Mary Krier (Watertown Club Scholarship) expects to major in dance.

# they wo



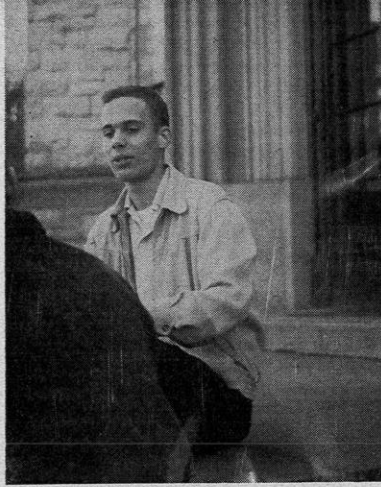
Robert Poulsen (Racine Club) did his early UW work at Racine Extension.

Marjorie Hubbard is a Milwaukee club scholarship winner.





*Joseph (Mike) Essex (Eastern Alumni Scholarship) plays football, was a junior letter winner this fall.*



*David Sutton (Milwaukee) eats his meals at Wesley Foundation, where, above, he's chatting with a friend.*

*Robert Koch hails from Oshkosh, is a recipient of that club's scholarship.*



# lumni club scholarships

*(continued on next page)*

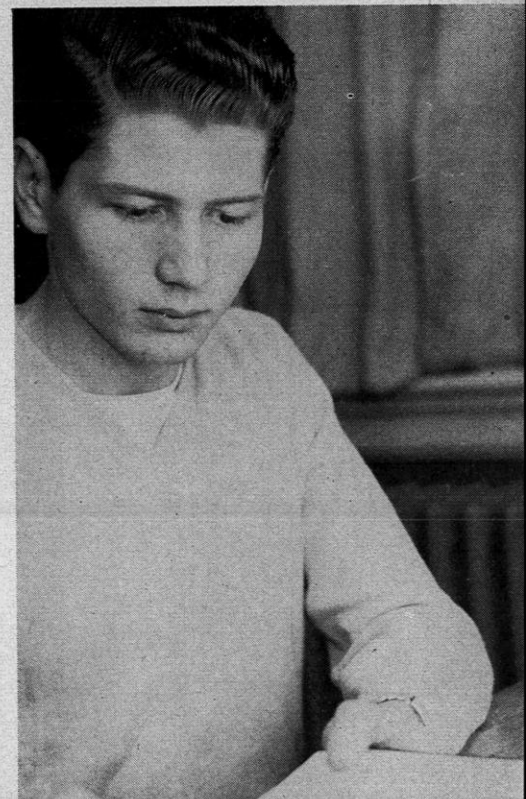


*Mary Mueller (Fort Atkinson) is one of a number of fine "Fort" students at the University.*



*Richard Heald (Door County) lives in Tripp Hall, is a two-time winner of that club's scholarship.*

*William March is a commerce junior and recipient of a Chicago club scholarship.*



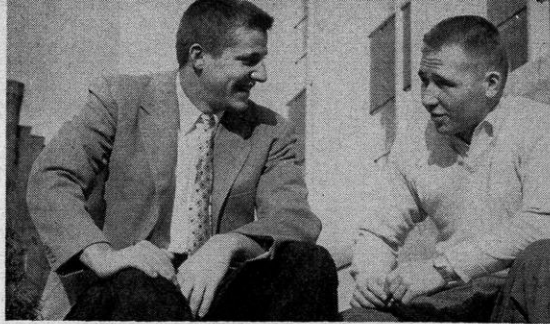
*Sophomore Rocco Cinelli (Eastern Alumni) hails from Bangor, Pennsylvania.*







Thomas Mack (Eastern Alumni) is a basketball letter-winner.



Douglas Moore and Earl Hagberg are recipients of Chicago Club scholarships.



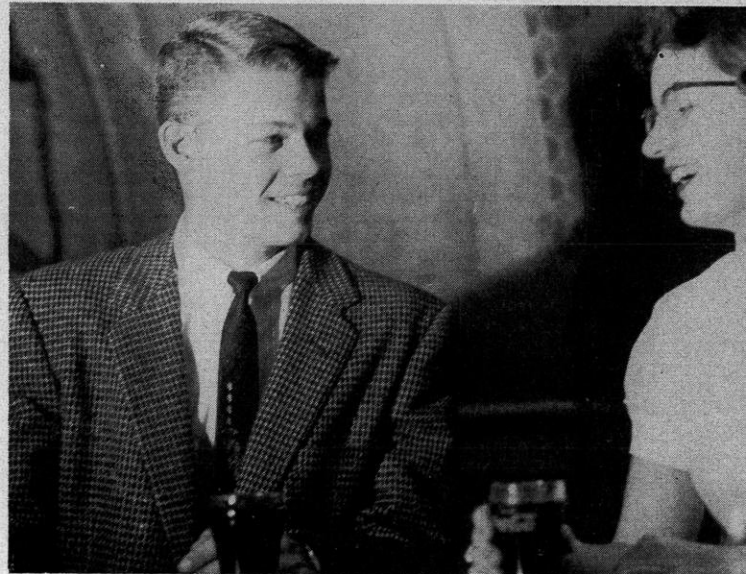
John Parker (Eastern Alumni) hails from Madison, is a basketball letter-winner.

*your club, too, can help deserving students like these come to the University!*



Barbara Stafford is recipient of Janesville Club scholarship.

Charles Pooch (Jefferson) plans to major in education.

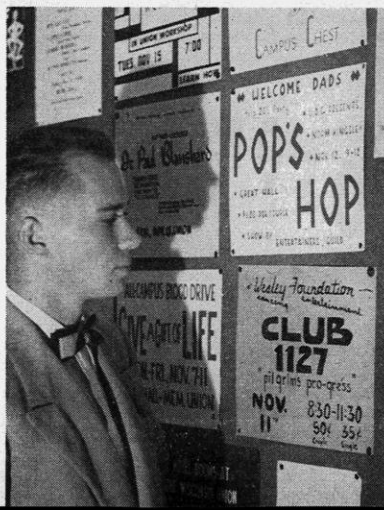


Thomas Rowe and Caroline Budic (Milwaukee Club Scholarship) take time out for a Rathskeller coke.



Richard Tilley (Milwaukee Club) was quarterback on freshman grid team.

Floyd Strelow (Fox River Valley) began his work at Menasha Extension Center.



Lois Arneson (Milwaukee Club) is majoring in speech and theater.

# Alumni Club Scholarships

(Based on questionnaire mailed to all clubs)

Scholarship (Donor)	Who Is Eligible	Terms	Where and When to Apply
University of Wisconsin Alumnae Club of Chicago	High school girl graduate from Chicago area.	1, amount varies each year.	May Peterson, President, 1012 N. Austin Blvd., Oak Park, Ill. No deadline date.
*University of Wisconsin Scholarship Trust of Chicago (Chicago Alumni Club)	Boys living in general Chicago area, in upper 25% of class, in need of financial assistance, of good character, good record of extra-curricular activities.	3 @ approximately \$500 to \$1,000.	James D. Peterson, Secretary and Treasurer, 135 South La Salle, Room 1619, Chicago, Ill. No deadline.
Door Co. Chapter, Wisconsin Alumni Assn.	Chosen by local club.	1 @ \$100	Chosen by local alumni club.
*The Wisconsin Eastern Alumni Scholarship Fund	Needy and deserving students, not limited to freshmen.	7 awards totalling \$3,105.00.	Committee on Loans and Undergraduate Scholarships, U. of W., or Trustees, H. E. Broadfoot, President, 25 Broad St., New York 4, New York.
Ft. Atkinson Alumni Club	High school senior with intention of attending U. of W.	1 @ \$50	Superintendent of Ft. Atkinson Schools, by May 1.
Fox River Valley Alumni Club	Menasha Extension students planning to transfer to Madison campus.	1 @ \$150	Menasha Extension Office, % Miss Lila Locksmith. Deadline May 15th.
Janesville Alumni Club	Any boy or girl of the high school graduating class.	1 @ \$100	President, Janesville Alumni Club. No deadline.
Jefferson, Wis., Alumni Club	Members of graduating class, Jefferson High School.	2 @ \$200	Superintendent of Jefferson Schools. Deadline date announced yearly.
Madison Alumni Club	Any worthy student.	1 @ \$75 per yr.	Committee on Loans and Undergraduate Scholarships, University of Wisconsin.
Milwaukee Alumni Club	Any graduating senior from any high school in Milwaukee County, based on rank in class, need, leadership, achievements and original essay.	6 total 3 @ \$300 3 @ \$200	Charles A. Orth, Jr., 152 W. Wisconsin Ave., Milwaukee, Chairman, Scholarship Award Committee. March 1.
Oshkosh Alumni Club	Any male or female graduate of Oshkosh High School planning to attend the U. of W.	1 @ \$250	Principal of Oshkosh High School. Deadline 2nd Friday in May.
Racine Alumni Club	Students of the U. W. Extension at Racine.	1 or 2 per year, tuition for 1 year.	Office of U. W. Extension Division. No deadline.
*Student Assistance Fund, Inc., Sheboygan, Wis., Sheboygan Alumni Club, contributor.	Male students with financial need, good citizenship record, scholastic record, outstanding participation in extra-curricular activities. Not limited to freshmen.	3 awards totalling \$990.00.	Committee on Loans and Undergraduate Scholarships, U. of W., or Trustees, Lucius P. Chase, President, Kohler, Wisconsin. No deadline date.
Superior Chapter, U. of W. Alumni Association	Anyone.	1 @ \$300	President of Alumni Club.
Watertown Alumni Club	Any graduating senior of Watertown High School, based on rank in class, need, leadership, achievements and original essay.	1 @ \$180	Principal, Watertown High School. May 1.

\* These funds, administered by the University, have been included in a previous listing under special scholarships.

Wisconsin Alumni Club

## BULLETIN BOARD

### a schedule of alumni club activities

#### Janesville

Annual Christmas Scholarship Dance  
Monterey Hotel December 27  
Music by Bud Wilber Orchestra  
Contact: Mrs. Wade Kumlien, 1700 Milwaukee Ave.  
PL-2-2419)

#### Minneapolis Alumnae

Guest Day Luncheon  
Boulevard Twins Restaurant, 5315 Lyndale Ave., So.  
February 4 1 p.m. \$1.70  
Book Review by Genevieve McDill and Luncheon  
Contact: Mrs. Charles Templeton, 3117 Irving Ave., S.  
(RE-1011)

*These Founders Day Meetings are set:*

#### Buffalo

February 4 Leroy Luberg

#### Cleveland

February 3 Leroy Luberg

#### Fond du Lac

February 2 Art Lentz

#### Los Angeles

February 21 John Berge

#### Madison

January 24 Philip E. Reed

#### Milwaukee

February 2 Earl D. Johnson

#### New York

February 14 Warren P. Knowles

#### Racine

February 25 Warren P. Knowles

#### San Francisco

February 17 John Berge

#### Sheboygan

February 7 William S. Stokes

### Club Briefs

★ A number of clubs have virtually completed their Founders Day arrangements—and none too soon, their officers figure. February, the official Founders Day month, is all but breathing down our necks. (In Madison the weather has been behaving like Founders Day already!)

There are many top faculty speakers available for Founders Day addresses. In-state groups have, naturally, a wider selection, but ours is a traveling faculty and out-of-Wisconsin clubs are never at a loss for outstanding speakers.

These faculty speakers are arranged for through Leroy Luberg, 108 Bascom hall, University of Wisconsin (ALpine 5-3311, Ext. 4136). Club officers wishing to make arrangements for speakers should deal directly with him.

So—you club officers who have not completed arrangements for your club's Founders Day affair—these are words to note well!

\*

★ The Wisconsin Alumni Club of **Waukesha** has qualified for a club directorship on the Wisconsin Alumni Association board. The club will name its immediate past president to the position, with Gene Koch filling it this year.

\*

★ On the Square: The Wisconsin Alumni Club of **Akron**, which interspersed cider and doughnuts with the do-si-do on November 11.

The University of Wisconsin Alumni Club of Pittsburgh on Nov. 4, held its first meeting for some time, and a grand one it was. The club had been dormant since 1951, but several reorganization meetings got the ball rolling and the officers scored on their first time out. There'll likely be plenty of other touchdowns ahead for this outfit.



# On Wisconsin



## IN SPORTS By Art Lentz

### Freshman Cagers Lose in Overtime

The Badger basketball varsity opened its season against the Wisconsin freshmen on Nov. 28. In winning, 68-63, it proved little about its potential for the regular season ahead.

However, the game did indicate that Wisconsin cage Coach Harold "Bud" Foster has one of the finest groups of yearling players that he has ever had. Bud probably didn't quite know whether to grin or to frown, or both, when at one point in the contest his varsity men found themselves down by a 34-18 score.

In fact, the varsity never completely closed this gap until late in the final quarter. Then with 2:15 seconds left, junior center John Parker scored to send his mates ahead. The frosh countered with a last-second goal that sent the contest into overtime—the first such development in 42 or thereabouts previous encounters.

Senior guard Dick Miller paced the varsity. Outstanding for the freshmen were forwards Bob Kammerer of Minneapolis, Joel Farber of Chicago, (son of Maurice Farber, '30), and guards

#### Games to Come

- 19—Nebraska at Madison
- 28—Washington at Seattle
- 29—California at Berkeley
- 30—Stanford at Palo Alto

#### CONFERENCE

- Jan. 2—Purdue at Madison
- 7—Indiana at Madison
- 9—Illinois at Champaign
- 14—Ohio State at Columbus
- 16—Michigan at Madison
- Feb. 4—Northwestern at Evanston, Ill.
- 6—Iowa at Madison
- 11—Minnesota at Madison
- 13—Indiana at Bloomington
- 18—Iowa at Iowa City
- 20—Ohio State at Madison
- 25—Michigan at Ann Arbor
- 27—Michigan St. at East Lansing
- Mar. 3—Northwestern at Madison

Brian Kulas of Wausau and Jim Schneiders of Madison. Bob Litzow of Stevens Point, a sophomore, also gave notice he'll be making a strong bid for the varsity this season.

#### Wrestling Prospects

Wisconsin's chances this year of equalling or improving on its fine

wrestling record of last season depend largely on how quickly and how well Coach George Martin can develop replacements to fill key spots left vacant by graduation.

The Badgers won eight of 10 intercollegiate dual matches last season and finished fourth in Big Ten tournament standings, best showing of many years.

However, of the four Badger grapplers who placed high in their respective conference classes, only one, heavy-weight champion Bob Konovsky returns. Returning with Captain-elect Konovsky are four other major lettermen. They include Dick Hammes at 123 pounds; Steve Cole at 130 pounds; Jim Kruempelsteadter at 137 pounds; and Don Bartkowiak, at 157 pounds.

Four junior "W" winners up from the unbeaten junior varsity team of last year—Earl Munson and Jim Simonson at 130 pounds; Ralph Neale at 147 pounds; and Dick Murphy at heavy-weight—are challenging for varsity positions against the contention of six sophomores.

Newcomers are headed by Earle Edwards, a 137 pounder, whom Martin believes is destined to become one of the Badger greats in wrestling.

#### Fencing

- Jan. 7—Shorewood F.C. at Madison.
- 14—Iowa and Detroit at Madison
- Feb. 4—Ohio State and Wayne at Columbus.
- 11—Iowa and Michigan State at Iowa City
- 18—Northwestern and Chicago at Evanston, Ill.
- 25—Illinois and Notre Dame at Madison.
- Mar. 3—Big Ten meet at Columbus, Ohio.
- N.C.A.A. meet at Naval Academy, Annapolis, Md.—Mar. 23-24.

#### Gymnastics

- Jan. 7—Minnesota at Minneapolis.
- 14—Ohio State and Iowa at Madison.
- Feb. 4—Chicago at Madison.

- 11—Northwestern at Evanston, Ill.
- 18—Illinois and Indiana at Madison.
- 25—Michigan at Ann Arbor.
- Mar. 2—Big Ten meet at Champaign, Ill. (Also Mar. 3)
- N.C.A.A. meet at Chapel Hill, N. C., Mar. 23-24.

#### Swimming

- Jan. 7—Ohio State at Columbus.
- 14—Michigan State at East Lansing.
- Feb. 2—Illinois at Madison.
- 4—Northwestern at Madison.
- 11—Iowa at Iowa City.
- 18—Purdue at Madison.
- 25—Minnesota at Madison.
- Mar. 1—Big Ten meet at Lafayette, Ind. (Also Mar. 2-3)
- N.C.A.A. meet at New Haven, Conn., Mar. 29, 30, 31.

#### Track

- Feb. 11—Michigan State Relays at East Lansing.
- 18—Minnesota and Purdue at Madison.
- 25—Iowa and Northwestern at Madison.
- Mar. 2—Big Ten meet at East Lansing. (Also Mar. 3)
- Apr. 21—Ohio Relays at Columbus.
- 27—Drake Relays at Des Moines, Ia. (Also Apr. 28)
- May 5—Iowa at Iowa City.
- 12—Michigan State at Madison (Tentative)
- 19—Minnesota at Minneapolis.
- 25—Big Ten meet at Minneapolis, Minn. (Also May 26)

(Dates not yet announced for Central Collegiates, National Collegiates, Big Ten vs. Pacific Coast dual, and Olympic trials)

## ★ With the Classes

### 1899

"The Traverse Method in Stress Analysis" by Ralph W. STEWART which was translated and published in German, has now been published in the Hungarian and Spanish languages.

### 1900 to 1910

Howard D. PIPER, '02, has retired from the restaurant business in Madison.

Miss Ruth MINER, '05, has retired after more than 50 years of service at the U.W. library.

Moore Institute of Art, Science and Industry, Philadelphia, conferred a Honorary Doctor of Fine Arts degree on Herman BLUM, '08, textile manufacturer and research historian. He is the author of "One Star Final" and "Letters of Our Presidents."

Mr. and Mrs. C. W. WRIGHT, '07, (Eva WILLIAMS, '09) have moved to Florida after Mr. Wright retired from vice president and general counsel of the Minneapolis & St. Louis Railway company.

### 1910 to 1915

Dr. Otto A. REINKING, '12, returned in March from the Philippines after a study of the abaca (manila hemp) mosaic disease situation. He retired from government service in June.

The Chain Belt company has announced that Donald C. SLICHTER, '22, has been elected to the board, and Brinton WELSER, '13, has been elected senior vice-president.

After returning to Madison from touring Europe and attending scientific conferences, Emeritus Prof. William H. PETERSON, '13, was most enthusiastic about his trip through Norway.

### 1916

Prof. Albert J. CRAMER, was voted emeritus assistant professor of dairy husbandry after his recent retirement at the University.

Dr. Elmer L. SEVERINGHAUS, returned to Wisconsin to speak at a medical meeting in Monroe. He is medical research director for the Hoffman-La Roche Pharmaceutical Co., Montclair, N. J.

The \$1,000,000 Jackson Clinic was recently dedicated in Madison. Head of the clinic is Dr. Arnold S. JACKSON.

### 1917 to 1920

After retiring from teaching and industry, Paul T. NORTON, Jr., '17, is now living in St. Petersburg, Fla.

Frank V. BIRCH, '18, has been named president of the national "W" Club of the University.

### 1920 to 1925

Mrs. Margaret LEWIS Ball, '20, is house-mother for Phi Gamma Delta fraternity at Colorado College.

Charles M. CHAPMAN, '21, a longtime worker with Optimist International, was recently given the 1955 "Friend of the Boy" award in Madison.

Central Division manager of Arden Farms Co. is Jack O. POLZIN, '21. The company makes milk and ice cream products.

Prof. Roy J. COLBERT, '22, has been named to the industry advisory board of the Small Business Administration. He is a U.W.

faculty member and director of the industrial activities of the Bureau of Community Development.

The Rt. Rev. Louis C. MILCHER, '22, of the Episcopal Church's missionary district of Central Brazil recently attended a convention in Honolulu.

A new vice president of the P. Lorillard Tobacco Co. is Dr. Harris B. PARMELE, '23.

Dr. William HABER participated in the cornerstone laying ceremony for the new B'nai B'rith Hillel Foundation building at the University. He is professor of economics at the University of Michigan and chairman of the National B'nai B'rith Hillel Commission.

The Michigan Interscholastic Press Association recently presented James E. OSTRUM, '23, with the Golden Pen Award for his accomplishments in the field of high school journalism and for community activities.

Dr. George D. SCARSETH, '24, director of research for the American Farm Bureau Federation, recently spoke at a farm bureau meeting in Arcadia, Wis.

Perry M. HULL, '24, recently married Mrs. Irwin B. Krohn. They will reside in Black River Falls where he is publisher and editor of the *Banner-Journal* weekly newspaper.

Mrs. Frances HODSON Channer, '23, has accepted a position as director of Alumni relations and associate professor of chemistry at Parsons college, Fairchild, Iowa.

Colonel August W. SPITTLER, '24, has taken over as commander of the Tokyo Army hospital.

M. Melvina SVEC, '25, president of the National Council of Geography Teachers, is attending the NCGT annual meeting Nov. 25-26 in Indianapolis, Ind.

### 1926 to 1930

Robert REEVE, '26, is owner of the Aleutian Airlines in Alaska.

Arthur E. WEGNER, '27, Governor Walter Kohler's financial adviser, has resigned his post and will join a Madison accounting firm.

Director of the South Dakota Industrial Expansion and Development Commission is Noel T. TWEET, '27.

Word comes from Col. and Mrs. Robert P. PIKE, '28, (Martha BROWN, '32) in Naples, Italy, where Col. Pike is legal advisor at the Headquarters of Allied Forces in Southern Europe. He writes that their daughter, Laurie, '57, spent the summer with them in Italy and northern Europe. They

## Gifts, Grants

(continued from page 17)

\$2,500; National Science Foundation, Washington, D. C., \$9,050; Parker Pen Co., Janesville, \$500; Malt Research Institute, Madison, \$10,000; National Institutes of Health, \$500; Wisconsin Alumni Research Foundation, Madison, \$2,500; American Cyanamid Co., N. Y., \$2,400; Brewers Yeast Council, Inc., Chicago, \$1,000; Sulphite Pulp Manufacturers' Research League, Inc., Appleton, Wis., \$2,000; Public Relations Society of America, Inc., New York, \$1,700; Allis-Chalmers Manufacturing Co., Milwaukee, \$3,500; Ben S. McGiveran Foundation, Milwaukee, \$1,105; National Science Foundation, \$4,000; Eddy Paper Corp., Chicago, \$700; Rockefeller Foundation, New York, \$48,000; Marathon Corp., Menasha, Wis., \$1,000.

occasionally see Col. Gordy DAWSON, '28. Sam STEINMAN, '32, both at Rome, and Major Harry THOMA, '28, at Frankfurt, Germany, and a brother Col. Hal PIKE, '35, at Munich.

With the groundbreaking in Paraguay recently on what is known officially as "Project Agreement No. 11," the first step toward fulfillment of both a responsibility and a dream came about for Dr. Lester M. EMANS, '29. The "project" is the new rural normal school being built in an Asuncion suburb by the Paraguayan government in cooperation with the Foreign Operations Administration. Dr. Emans was on a two-year leave of absence from the Wisconsin State College at Eau Claire, and returned in September to his position as director of teacher education and placement.

Singer Frances Langford and manufacturer Ralph EVINRUDE, '29, were married aboard Evinrude's yacht, cruising in Long Island Sound.

At the Far Eastern University, in Manila, Philippines, Dr. Francisco G. TONOG-BANUA, '30, has been appointed Chairman of the Graduate Department.

### 1931

Kenneth L. MAGEE is director of product engineering of the J. I. Case company in Racine.

UW agricultural journalism Prof. W. A. SUMNER spent two weeks in Washington last summer helping in orientation of a group of foreign students.

Alvin J. BINKERT, vice-president and general manager of The Presbyterian Hospital, New York City, was recently appointed a trustee of the Hospital Association of New York State. He resides in Yonkers, is married, and has two children.

John J. BOHRMICH has been named assistant to the vice-president, Fruehauf Trailer Co., it was announced in New York. He had been with A. O. Smith Corp.

Frederick L. JOCHEM, Washington, D.C., chief of the European Division, Office of policy and programs, U.S. Information Agency, was a U.S. representative at the Tenth International Mediterranean Fair in Palermo, Italy, earlier this year.

Maybelle Marie FRANSEEN received a MA degree from the University of Minnesota.

Mrs. Helen BRIGGS Geiger, Oshkosh, is president of Wisconsin's American Association of University Women.

Earl KING is an assistant professor of physics at Wisconsin State College at Platteville.

#### Married:

Jean Kathryn MACDONALD, '32, and William Anthony KUEHLTHAU, Waunakee, Wis.

Isabel Avice MCGOVERN and William Claffin Kerr, New York City.

### 1932

Mrs. Kay SNODGRASS FLANAGAN is a Whitewater High school teacher.

Thomas, the son of Dr. and Mrs. Frank K. DEAN, Madison, was winner of a four-year General Motors scholarship in competition with 232 state high school seniors. The young Dean planned to enter the University of Wisconsin with the goal of becoming a medical missionary.

Charles M. ELKINTON is agricultural attache to Brazil for the USDA.

Elaine SPENCE and Lowell A. McIntire were married June 4 and are living in Alexandria, Va.

Dr. John Dutton STEELE is new chief of surgery at the Veteran's Hospital in San Fernando, Calif.

Robert C. BASSETT, publisher of the Milwaukee Sentinel and a director of the Hearst Corp., has been named a vice-president of the Hearst company.

Martin BURKE Jr. is president of the North Western-Hanna Fuel Co., in Minneapolis.

Mr. and Mrs. Edwin J. DuBANE (Eleanor CLEENEWERCK) have moved from Kalamazoo to Nashville, Tenn., where he is office manager of Solar Steels warehouse.

Ellis N. ROBINSON, dean of Wisconsin's textbook salesmen, retired after 26 years of service with Ginn and Co. He continues to live in Madison.

Frederick J. MEYER, president of Red Dot Foods, Inc., Madison, was named program chairman of the midwest area of the Young Presidents' Organization.

John H. MATHESON is president of the Merchants and Savings Bank, Janesville.

Dr. T. Harry WILLIAMS, Louisiana State university history professor, has published another book, entitled "P.G.T. Beauregard, Napoleon in Gray."

Harry GOEHRING received his doctor of education degree from the University of North Dakota. He is a biology teacher at St. Cloud State teachers college in Minnesota.

Mrs. Ethel PETERSON Bliss is on a Middle East tour called "Meet the Farmers of the World."

Arthur H. CHADWICK is associate merchandising manager of *Life* Magazine.

Helen PEARSON Herzberg enjoyed a trip to the Mediterranean.

### 1933

Dr. Eldon L. JOHNSON is new president of the University of New Hampshire.

Dr. Carl H. KRIEGER is new director of basic research for Campbell Soup Co.

Roy H. WALTERS has been named director of research and development of General Foods Corp., White Plains, N.Y.

George J. GAENSLEN, a geologist for Creole Petroleum Corp. in Venezuela, his wife (Elizabeth DIOR) and son vacationed in Milwaukee, Wis.

### 1934

Gertrude M. Byrne and David L. SLIGHTAM, Jr. were married in July and are residing in Madison.

Wilbur J. SCHMIDT, Madison, is new director of the Wisconsin Department of Public Welfare.

George J. CALLOS, Milwaukee, has been named executive vice-president and general manager of Klau-Van Pietersom-Dunlap, advertising firm.

Edwin H. JOHNSON is a certified public accountant in Augusta, Ga.

### 1935

Marion WALLACE Jones, '36, and Madison attorney Ralph E. GINTZ were married in July.

Lois M. BIRD is a librarian on the Milton college faculty.

Harold C. LARSEN is agricultural attache at Stockholm.

William HAINES is a personnel generalist with the federal Civil Service Commission in Washington, D.C.

Margaret NORDLIE returns to Concordia College, Moorhead, Minn., as a librarian after more than three years as a teacher at

the Zulu Lutheran high school in Eshowe, Natal, Union of South Africa.

Cdr. Calvin T. DOUDNA is senior medical officer at the Marine Corps Air station at Cherry Point, N.C.

George BLANDINO is now a weatherman at General Mitchell field, Milwaukee.

Mr. and Mrs. William HAINES were honored for their contributions to the Madison community before leaving for Washington, D. C. where he is now with the U. S. Civil Service commission.

Eliza A. NINMANN is teaching home economics and typewriting at the Bowler, Wis.; high school.

Assistant general manager of Du Pont's Textile Fibers department is Lester S. SINNESS.

A four year Rockefeller Foundation grant will be used by Dr. Roy P. FORSTER, professor of biology at Dartmouth College for the study of active transport in renal tubule cells. He will take a one-semester leave of absence next February on a fellowship for study in Europe.

Gordon ARMBRUSTER is the new organization and planning director for the Sheaffer Pen Co., Fort Madison, Iowa.

On his way to assume a position at Union Theological Seminary, New York, Rev. Prof. Ralph Douglas HYSLOP was guest preacher at the First Congregational Church in Madison.

Harald C. LARSEN has been appointed U. S. Agricultural Attache in Stockholm, Sweden, and will also have attache responsibilities for Finland. His wife is the former Waida GERHARDT.

### 1936

John C. WEAVER is the new dean of the School of Arts and Sciences at Kansas State college in Manhattan.

Emmet C. YOUNG is a counselor in the Dallas (Tex.) public schools.

Dr. Robert F. FRIES is dean of the University college at DePaul.

Irvin LOTZ is principal of Manawa High school, succeeding George EDLEBAECK,

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**D**ECEMBER 24, 1944. The captured, rebuilt airstrips bake under a blazing sun. No breeze stirs the kunai grass. The dim, weather-stained notice clinging to the mail-room door tells you Jap subs sank the ship carrying Christmas packages.

If you punch two buttons on the walkie-talkie at the same time, you can tune in the Jungle Network. The song you hear is a favorite all over the Pacific. It seems to bring you home.

"I'm dreaming of a white Christmas . . ."

The man who wrote that song is an expert at cheering up troops. In 1918, Private Irving Berlin wrote his first all-soldier show, in 1942 his second: "This Is The Army," with which he toured almost every theater of war.

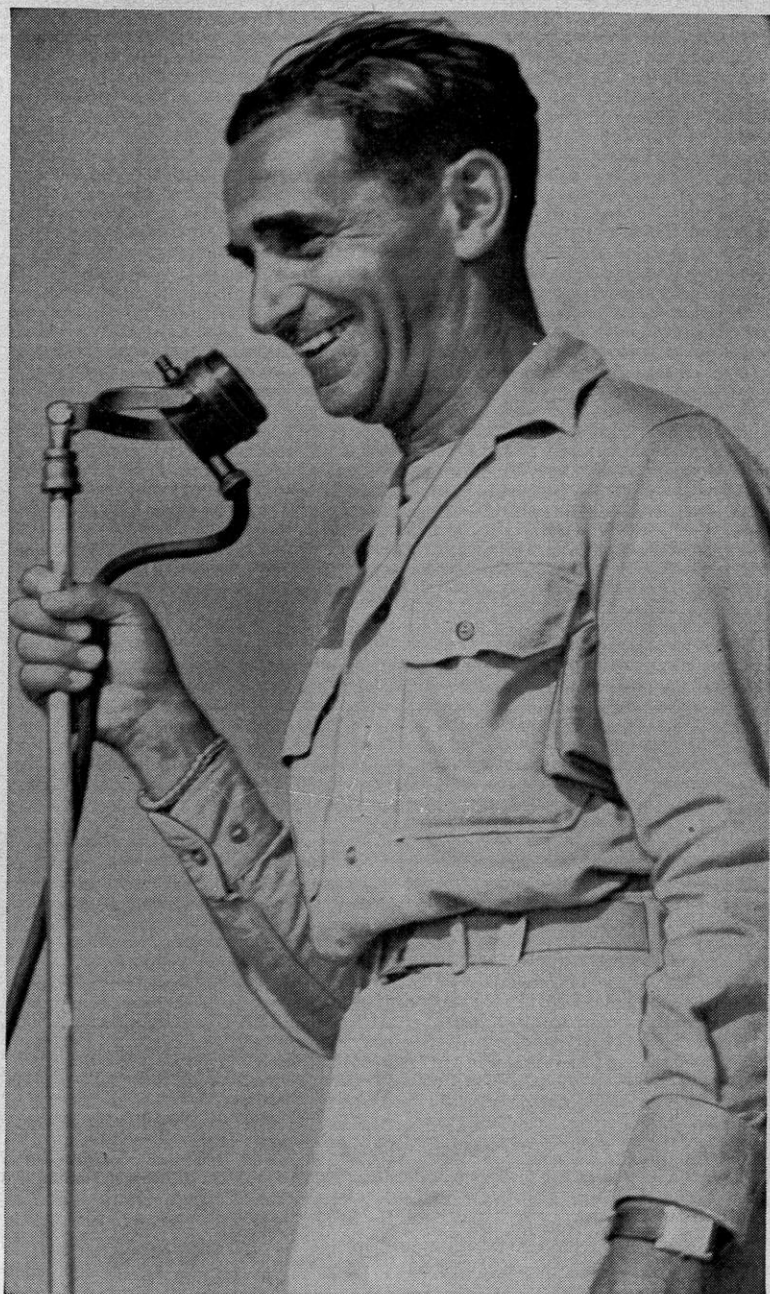
Berlin is also an expert at coming up the hard way. Immigrant to America at 5, on his own at 19, his first song earned just thirty-three cents. But Berlin kept trying; never lost faith in himself or his opportunities.

His hard-working, confident drive is a trait Americans set great store by. And Americans have a lot of it. Which helps account for the fact that our country's Savings Bonds are one of the finest investments in the world.

For the drive of 165 million Americans stands behind these Bonds.

That's why it's such a sound idea for every American—for you—to invest regularly in United States Series E Savings Bonds, and hold on to them.

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★ ★ ★

It's actually easy to save money—when you buy Series E Savings Bonds through the automatic Payroll Savings Plan where you work! You just sign an application at your pay office; after that your saving is done *for* you. The Bonds you receive will pay you interest at the rate of 3% per year, compounded semiannually, when held to maturity. And *after* maturity they go on earning 10 years *more*. Join the Plan today. Or invest in Bonds regularly where you bank.

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'33, now superintendent of schools at DePere.

Frederic A. BENEDICT is an architect and builder in Aspen, Colo.

Dr. Miriam M. HOWELL is assistant professor of teacher education at Emory U. Rex L. KARNEY, who was associate editor of the *Wisconsin State Journal*, Madison, is now managing editor of the Rockford (Ill.) *Register-Republic*. He is a former editor of the *Daily Cardinal*.

Mrs. Caryl MORSE Kline, faculty member of the Syracuse University speech school was recently elected national president of Zeta Phi Eta, professional speech arts fraternity for women.

### 1937

Charles FROTHINGHAM is in the art department at La Crosse State college.

The electronics empire of Gerald BARTLELL has expanded through the purchase by Bartell Broadcasters Inc. of WBGE and WBGE-FM, Atlanta, Ga.

Charles W. O'CONNELL is now a member of a Black River Falls law firm.

James FLEMING has been in charge of the NBC weekend radio show, Monitor.

John DIETRICH is professor of speech and director of theater at Ohio State U.

Louis R. ORKIN is professor and chairman of the department of anesthesiology at the Albert Einstein College of Medicine, Yeshiva U., New York, and director of anesthesiology at the Bronx Municipal Hospital Center, New York.

William H. POLK, advertising and sales promotion director of Pittsburgh Corning Corp., Pittsburgh, was recipient of a second place prize (\$1500 to the company) for industrial advertising campaigns.

Staff director for Paramount's TV station KTLA is Jack W. WARFIELD. He was formerly with the Pasadena Playhouse.

Fred D. MOSS has been appointed a section leader at the new Shell Chemical corporation's rubber plant in Torrance, Calif.

### 1938

George YOUNG, UW Law school professor, is faculty representative on the Big Ten board.

Arthur C. LARSEN is vocational school director at Oshkosh.

Edward P. ENDERS is an industrial development assistant for the Arizona Development board.

Earl A. SCHULTHEISS (his wife is the former Margaret MILLER) is a pilot with Pan American Airways and lives at Huntington Station, L.I., N.Y.

James G. FULLER is assistant manager, fuel oil department, in the New York head office of Shell Oil Co.

Robert C. HOLSEN is a partner in the firm of Ernst & Ernst, accountants and auditors, in Chicago.

Dr. Russell W. PETERSON is now research director of Du Pont's Textile Fibers Department, Wilmington, Del.

The Planned Parenthood Federation of America has Mrs. Rosemary HULETT Trane of Dalton, Pa., on its national Board of Directors.

One of the youngest officers in the Square D Company's history, James S. VAUGHAN is vice-president in Detroit, Mich.

A professor of psychology at the University of Indiana, Delton BEIER, has returned to the United States after a year in Turkey during which he helped overhaul that country's secondary educational system.

Appointment of Hugh R. RATHER as manager of the patent department for Cutler-Hammer, Inc., Milwaukee electrical firm, has been announced.

### Married:

Marjorie Syphrit and William MUENCHOW, Washington, D. C.

### 1939

Ralph CULBERTSON is new Wisconsin state engineer.

Edmond C. DOLLARD has been appointed to the post of director of the client contact division of Needham, Louis and Brorby, Inc., Chicago advertising agency.

Maj. Eugene E. WELCH has been assigned to air sea rescue duty at a NATO base in Iceland.

Dr. Cole S. BREMBECK is now head of the department of teacher education at Michigan State university, East Lansing.

Mr. and Mrs. Lloyd ANDERSON (Elizabeth LEE, '47) recently vacationed in Madison. He is resident manager of the Isabela mill of the Basilian Lumber Co. in the Philippines.

William ENDER is administrative assistant to Congressman Glenn Davis.

John W. FITZPATRICK is new manager of the label and specialty plant of Marathon Corp. in Neenah.

Gordon SABINE is now dean of the college of communication arts at Michigan State U.

Milwaukee will be home base for Roswell H. PICKFORD, Jr., new assistant director of agencies for Northwestern Mutual Life Insurance Co.

Bertill W. JOHNSON, city manager of Evanston, Ill., has been appointed lecturer in political science at Northwestern university.

Walter W. ETHIER, formerly manager of the Pittsburgh Plate Glass Company's Atlanta Paint Division in East Point, Georgia, has been named general manager of the Newark, New Jersey, Paint Division.

### 1940

Jose SANCHEZ is associate professor of foreign languages at the University of Illinois' Chicago Undergraduate Division at Navy Pier.

### 1941

Prof. Scott CUTLIP will be a visiting professor in the school of industrial and labor relations at Cornell U. this school year.

Virginia PARKER is in the Far East on an economic assignment with the FOA.

### Married:

Frances G. KLEINERT and Lester E. Nelson, Stoughton.

### 1942

The Rev. Fr. Robert V. KAVANAUGH has been invested as monsignor at rites in the Catholic Cathedral in Helena, Mont.

New executive director of the Northeast Wisconsin Industrial Assn. is Albert C. HOMER. He and his family will live in Manitowoc, Wis.

A former radio editor, travel correspondent, free lance writer, teacher, public relations director and script writer, actress and program director for radio and TV, Margaret Jane BOLGER, Cincinnati, Ohio, has now added a new occupation to her list. She is secretary and treasurer of Olympus Film Productions, Inc.



John C. McCORMICK has been admitted as a member of Haskins and Sells, accounting firm in Los Angeles, Calif.

Maj. and Mrs. Walter Dixon (Kathryn AHCIN) and their three children have returned from a nine month stay in Japan where Mrs. Dixon initiated her own good will project. She taught conversational English to classes of housewives and bankers in Kobe. The family is now in Fort Leavenworth, Kas.

The University of Minnesota has awarded a master of social work degree to Mrs. Margaret PRIMROSE Steen.

Marvin L. RAND is the new public relations director of the Milwaukee advertising agency Klau-Van Pietersom-Dunlap.

#### 1946

Washington University awarded Mary Adell MORROW her doctor of philosophy degree in psychology.

Atty. Harold K. GEYER, Platteville, was named to the state college board of regents.

From Santa Ana, Calif we find that Richard L. GAUSEWITZ has opened offices for the practice of patent, trademark, and copyright law. He and his wife (Mary Ellen JONES, '48) have two children.

James R. MOORE is assistant to the Personnel Manager, Chicago plant of the Campbell Soup company.

John A. PALESE has received his master of science degree in industrial medicine for the University of Rochester.

#### 1947

Washington University has awarded degrees to Charles H. SCHWARTING, master of science in engineering administration, and Ada Louise WHITING, master of science in health and physical education.

Atty. Harry V. HILL has started duties as administrative assistant in Wisconsin's Dane County Court. He has been practicing law in Fennimore, Wis. for five years.

Alan BEAUMONT is networks program manager of the National Broadcasting Company in Chicago.

Mr. and Mrs. Morris SOFFER '50 (Helen LERNER) and daughters Gail and Nancy have moved from Milwaukee to Rochester, N. Y. Mr. Soffer is now with Stromberg-Carlson, a division of General Dynamics corporation.

Mr. and Mrs. J. D. WALKER (Helen GOFF) are now living in San Francisco, Calif. after six years in Europe. Mr. Walker is starting a career as a life insurance salesman with Equitable Assurance Society.

A faculty member of the University of Southern Illinois is Sherwin F. ABRAMS.

Mr. and Mrs. David GORDON write, "We have bought a farmhouse, with barn and four acres of land, ten minutes walk from Colby College," Waterville, Me., where he is teaching.

Arnold A. ROGOW has been promoted to assistant professor at State University of Iowa.

#### Married:

Nancy Blodgett WARNECKE '51, and John Gulson BARSNESS, Marshfield.

#### 1948

Robert K. LIESCH is a math and science teacher at Laona, Wis., high school.

Mr. and Mrs. Robert O. DELZELL (Jane CONNOR '49) are living in San Bruno, California. He is a teacher.

Maurice J. HOVLAND is Washington county's new agricultural agent.

A third son, Richard Roth, was born to Dr. and Mrs. Louis Meyers (Natalie ROTH) in Pittsburgh.

From Los Angeles, Calif., we received a letter from Larry ABLER who is doing graduate work at Occidental College.

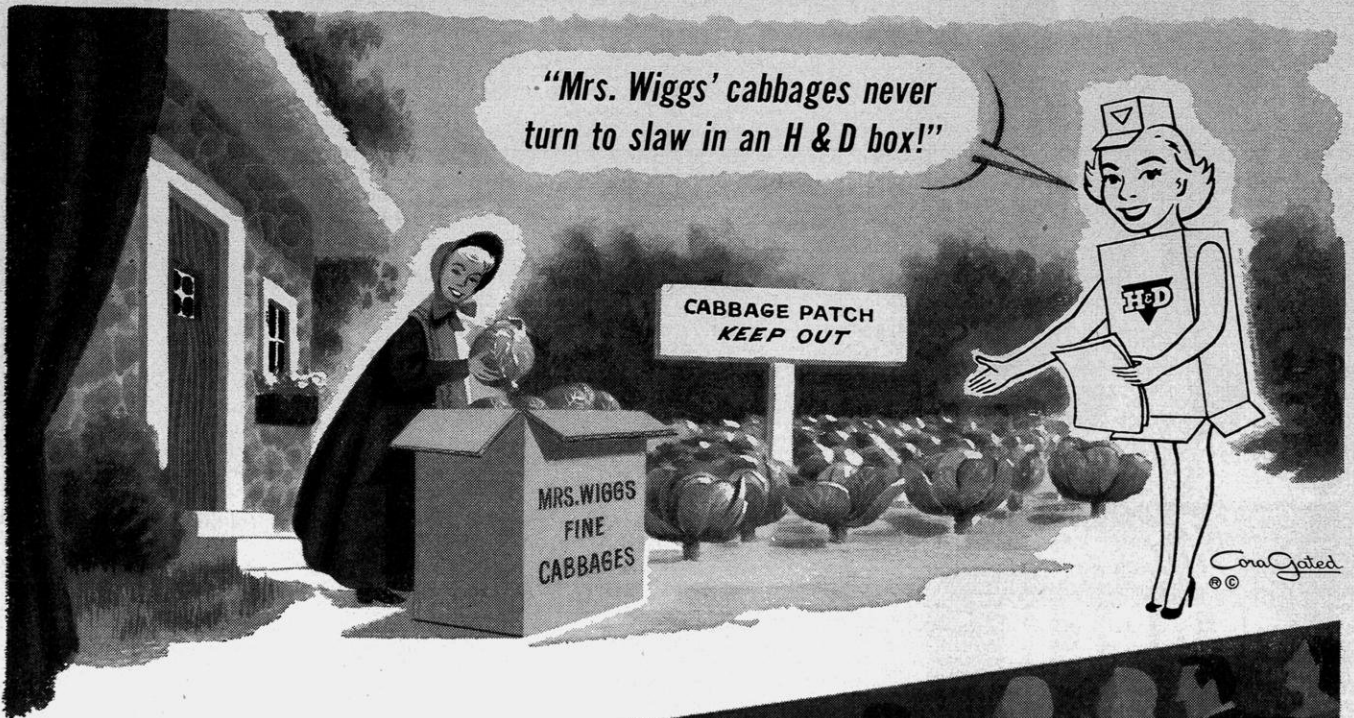
Patrica A. EWEN is with a Milwaukee children's library.

Promotion of Dr. Helmut H. HAEUSLER to assistant professor of history was announced by Wittenberg College, Springfield Ohio.

A change from classical to popular music was made by Nancy FRASER who is now playing and singing her own arrangements.

M.B.A. degrees were awarded to William K. CREELMAN at Rutgers, The State University of New Jersey, and Daniel M. SULLIVAN at Harvard university.

Robert R. SINDORF is with the copy department of Klau-Van Pietersom-Dunlap, Inc., Milwaukee.



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## THE AUTHOR

Gunnar Back received his B.A. in 1931, his M.A. in 1934, both from Wisconsin. Once a graduate instructor in English at the University, he has become widely known as a Washington radio and television news correspondent. Many of you have heard him as moderator of "America's Town Meeting," on radio. Presently he is helping to launch the same theme in a television series.



A meeting of stage and radio: Ewell and Back.

# Ewell Always Had the "Itch"

By Gunnar Back

**T**HE PICTURE comes through pretty clearly despite the years. A Sig Phi Ep with the flossy name of S.

Yewell Tompkins trudges from his house on the lake and passes the Theta Chi house where a bunch of us are standing about outside, recovering from our dinners and stalling off books. On early evenings like this we frequently watch this hungry-looking redhead go by. The package he carries under his arm is a make-up box. S. Yewell Tompkins is on his way to the Garrick Theatre for another night with the Al Jackson Players, the hardy stock company up on the Square.

We had heard that he was playing a Chinaman in "Shanghai Gesture," and that was regarded as quite amusing, this Sig Phi Ep from Kentucky passing off as a Chinaman. S. Yewell was an old friend of mine by then; but even I, with some theatre in the blood, too, thought

Yewell was going at it pretty hard. After all, these were our student days, and sorority houses offered their promise all about us.

Well, we had our fun, and a lot of it, while Yewell Tompkins was grinding away at perfecting the craft that just about 20 years later was to make him a solid new figure in the American theatre.

As Tom Ewell he has just starred, carried the show, in the "Seven Year Itch" on Broadway and on the road for over two years. You've probably seen him in the motion picture version of the "Itch." He better than holds his own with Marilyn Monroe in that one, which is proof of his distinction.

I have other memories of Tom. We met in the old Bachelor Apartments on Iota Court. S. Yewell Tompkins had come to see us in response to an ad we ran in *the Daily Cardinal* for someone to be business manager of a shoe-string literary magazine Hjalmar Nelson and I had started in Michigan before we came to Wisconsin. A more preposterous applicant for the job could hardly have been imagined, but Yewell needed money, and was desperate. We needed money and were desperate, too, but not so desperate as to expect this drawler was going to save us.

Then there was the time Yewell Tompkins and I played together in Milne's "The Perfect Alibi" in one of Prof. Bill Troutman's Bascom Theatre productions. I was a ham, happily killed off in the first act; Tompkins, cast as a British country constable, hammed it a bit, too, but he had talent, and the constable's part took over the play.

Yewell Tompkins was a hilarious student trouper with Haresfoot; but this penniless lad from Owensboro, Ky., now so much richer than all of us, is quick to turn to Bill Troutman when he calls up the past.

"I learned all my fundamentals from Bill," he told me

Ewell credits Prof. Troutman with starting him out right during his University theater days backs in the thirties.



recently as we ran over old times when "Seven Year Itch" finally came to Washington.

Bill Troutman was the almost single-handed founder of a great era in the Wisconsin University theatre. We could see him again in that chair on the Bascom stage, quietly putting us through our lines, a teacher by day and a worker in that theatre night after night, for years. "The Insect Comedy" in which Tom Ewell starred had a wondrous quality hardly dimmed through the years.

Tom Ewell had 28 theatrical flops after Wisconsin days. I saw one of them in Washington a long time ago. He calls himself the oldest ensign in the Navy during the war, but the day came when he got the attention he had earned (and had trained for) in such Broadway successes as "Small Wonder" and "John Loves Mary," and in "A Yank in the Philippines" and "Up Front" in pictures. And then the remarkable story of the millions amused no end by his playing of the husband gingerly testing out the errand in "Seven Year Itch".

Bill Troutman has been at the University of Baltimore for the past six years. When Tom Ewell arrived in his play and we got together, the two-score years dropped away as if they had never happened.

## Conflict in Education

(continued from page 11)

utilities which are not covered by the grants. The remedy has been the inclusion in such grants of an "overhead costs" item which is calculated to meet the extra costs the project imposes upon an institution.

The provision of scholarships by private donors is a

popular form of philanthropy and probably will grow in appeal as enrollments increase. But these scholarships, too, can be much less than a blessing for the institution, since the student fee and tuition in both private and public institutions usually is considerably below the actual cost of education. My suggestion to donors, then, is to provide, with scholarships, funds sufficient to meet this difference between actual educational costs and student charges. This would relieve the pressure on the endowments of privately financed institutions and reduce the pressure for the state to subsidize the education of scholarship students in the public institutions.

● *Cooperate in the development of all educational institutions.* Neither the state institutions nor the private ones deserve sole credit for preserving the American way of life and the free educational system it sustains. Many institutions, both privately and publicly supported, are making unique contributions today, and promise even greater things in the future. Some of the private institutions offer liberal arts studies in a way no state institution would attempt. Some state institutions offer professional training that the liberal art colleges would not attempt. Despite these differences, all of the higher educational institutions seek the same general objectives, and face similar problems. As others have pointed out, it is sometimes difficult to draw a definite line between what is a privately supported institution and what is publicly supported.

I firmly believe that much of the success of American education can be credited to the diversity and balance of our educational structure. Let us develop both privately and publicly supported institutions and maintain the balance through cooperation.

## 1948 (cont)

### Married:

Janet R. PATLOW and Herschel Hoban, Little Rock, Ark.

Joan CONNOR and Peter R. Vincent, Oakland, Calif.

Joan E. KELLEY and Harry T. Reed, Philadelphia, Pa.

### 1949

Gilbert A. LEISMAN received his doctor of philosophy degree from the University of Minnesota.

Edward A. ROGGE, speech instructor and director of forensics at the University of Missouri, was recently appointed assistant editor of the *Discussion and Debate Manual* and assistant executive-secretary of the Committee on Discussion and Debate Materials of the National University Extension Association.

Joan HICKEY studied at the University of Oxford on a fellowship this summer.

Physical education instructor at Wauwatosa is Duane MUELLER.

Mrs. Dorothy BURSKEY Holm writes from Frankfurt, Germany, that husband Calvin HOLM, '50, is employed as a newsman by the American Forces Network and she is busy as Women's Editor of the *American Weekend*, a weekly newspaper for Americans in Europe.

New executive vice-president of the Bartell Television Corp. is Morton J. WAGNER, who is manager of WMTV in Madison, one of five Bartell operations. He and

his wife (Bernice MALETZ, '47) have three children.

George D. BEARCE, Jr. is a member of the history department at Bowdoin college, Brunswick, Maine.

"T" was a hectic summer," writes Sheldon NEWMAN whose new law office—specializing in taxes—was opened in Boston, Mass., and whose son, James Gordon, made his arrival in June.

Mr. and Mrs. Phillip L. MARGLES, Montreal, Que., announced the August arrival of a baby girl, Rochelle Donna.

The highest academic achievement in the life insurance underwriting field was won by Byron J. CROSSE who is now a Chartered Life Underwriter.

Mr. and Mrs. Robert T. SCHULER, '51 (Dorothy ZIMMERMAN) are in Tallahassee where he is working on his master of arts degree at Florida State University.

New assistant professor of chemical engineering at the University of Dayton is James P. HSU.

Dr. Elvin M. BREMER, who has completed a three year residency in internal medicine at UW, has joined the Marquette university medical school as a research assistant in the cardio-vascular section.

Mr. and Mrs. William SIMENSON (Katherine GIMMLER '53) are now living in Reykjavik, Iceland where Bill is assistant political attache to the American legation.

George Washington Thomas was born to Prof. and Mrs. J. Harper THOMAS '50 (Mary Ellen STANTON) in February.

### Married:

Ruth Haller and Dr. Frederick C. FLIEGEL, University Park, Pa.

### 1950

Dr. Harold GODER is an instructor of biological sciences at Wisconsin State College at Platteville.

Mr. and Mrs. F. Craig JOHNSON '51 (Nancy Beth JUSTER, '50) are living in Athens, Ohio where he is teaching television and general speech at Ohio University.

Bernard S. KUBALE is now associated with a Milwaukee legal firm.

Former track star Don GEHRMANN is now teaching in the Milwaukee elementary school system.

Dr. Carleton C. AMES and his family recently returned from Burma where he spent two years doing historical research.

Robert S. SCHMIDT'S four children no-doubt approve of his new job as production manager of the Borden Ice Cream Co., in South Bend, Ind.

Sgt. Arthur S. GAFFNEY is now stationed in Germany.

Mathematics instructor at Southern Illinois University, Carbondale, Ill., is Samuel R. FILIPPONE.

And at Ohio State University James B. CHRISTOPH is a political science instructor.

Rex M. SMITH recently joined the Shell Development Company's Emeryville (Calif.) Research Center as a chemist.

Now working for the Bendix Aviation Corp., Robert A. MANSKE, Glen Burnie, Md., is an engineer in the guided missile section.

Paul EKERN is doing meteorological research for an Hawaiian pineapple company.

At the U. S. Public Health Hospital, Lexington, Ky. Dr. Richard J. THURRELL is serving a residency in psychiatry.

Arnold M. BERG is now with Hughes Aircraft Co., Culver City, Calif., in research and development laboratories.

Lester R. McNALL is doing chemical research with the Esso Research and Engineering Co.

A third child, Kathryn Anne, was born to Mr. and Mrs. Henry B. HARDY (Winifred BROCKHAUS) in September.

#### Married:

Evelyn Marie Maager and Gilbert Peter BOETZ, Milwaukee.

Shirley Mae Hehenberger and Joseph RYAN, Oak Park, Ill.

Patricia Bly Gregoire and Ralph B. CARY, Logansport, Ind.

#### 1951

Priscilla Ann BOLGER recently accepted a position with *Vision*, a Spanish news digest magazine in New York City.

Martin CHERRY is an account executive with the Jaster Advertising Agency of Beloit.

New freshman football coach at East high school, Madison, is Jim CARLSON.

Atty. Henry A. HILLEMANN is practicing law in Sheboygan.

Virginia ROWLANDS, 1949 Badger Beauty, recently starred in "Pirate House" on CBS's "Appointment With Adventure" TV program.

Ensign Emile Lou HORN has been assigned to duty at the Office of the Commander, Eastern Sea Frontier, New York.

Maj. Thomas I. MOFFATT, a Madison Air National jet fighter pilot, bailed out of his disabled plane near Lower Malboro, Md., in September, just before it crashed and exploded. He suffered arm lacerations. Moffatt's wife is the former Rosalie Fred, daughter of Pres. and Mrs. E. B. Fred.

Stephen M. HILL has been assigned as a market analyst to Allis-Chalmers commercial research department.

Recently appointed professor and head of the animal industry department and animal husbandman at Louisiana State university is Dr. George Leven ROBERTSON.

Robert P. BELL was recently promoted to junior mathematician at the Shell Development Company's Emeryville (Calif.) research center.

James BLACK of Milwaukee's Layton School of Art is teaching ceramic-sculpture.

A member of the Barnard college teaching staff is Lenore F. MEADOWS.

Dr. Richard T. KELLER is a new research associate at the General Electric research laboratory.

Richard E. BOUCHER has joined the Systems Division of Hughes Aircraft company, Culver City, Calif.

#### Married:

Carolyn COCHRAN, '54, and Homer Theodore ERICKSON, Orono, Me.

Georgia Elizabeth BATTIN and Frank M. BuBinsky, Los Angeles, Calif.

Gloria KUBSH and John E. WIFLER, '55, Madison.

Beverly BALZOW and John E. Scherba, Jr., Wadsworth, Ohio.

Barbara BOOTH and Willard CLARK, '57, Madison.

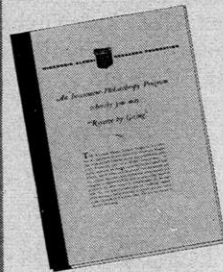
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1952

Bruce W. HANSEN is teaching in the biology department at Ohio Northern university at Ada, Ohio. His work is in the nursing education program in connection with Lima Memorial hospital.

Col. George R. CREEL, Jr., formerly chief press officer for Supreme Headquarters Allied Powers Europe in Marly, France, is now Chief of Information, Military District of Washington. The regular army officer has 18 years service.

New football coach at Drake university is the former Badger football star Gene FELKER.

Raymond P. POGGENBURG is a new instructor in the romance language department at Carleton College, Northfield, Minn.

Roger L. PATROW, Chippewa Falls, has been named the first youth secretary for the Northwest YMCA. He will work with Hi-Y Boys and Tri-Hi-Y Girls' clubs.

John E. JOCHEM has been transferred by Allis-Chalmers Co. to Cedar Rapids, Iowa.

The University of Minnesota awarded Russell William GABRIEL a master of science degree.

Richard L. CARR, who received his bachelor of laws degree from UW in Aug., is with the Farmers Mutuals Insurance Co., in Madison.

Mr. and Mrs. Robert E. Hoare (Roberta M. HURLEY) have a one-year old son,

Richard. They left for Newfoundland in October.

Don A. PHELPS was promoted to Lieutenant (j.g.) last May.

A new assistant county agent in Wisconsin is Simon KOWAHL.

Elaine J. SCHWARTZ is back in Madison doing graduate study in social work.

Jerone S. PICK is also doing graduate work at the UW.

Recently appointed manager of the *Chicago Tribune's* information division, Anthony MARCIN will be responsible for publicity of the promotion department.

Arline MATT is a teacher of journalism and English at Wisconsin State College at Platteville.

Married:

Barbara Ann Fernekes, '57 and Allan Paterson HUBBARD, Madison.

Dorothy Jean CRATTY, '55, and Robert Hobart KLIETZIEN, Madison.

Myra M. Rasmussen and Lt. Howard BRUNMEIER, Rantoul, Ill.

Mary E. MINTON and David A. del Pino, East Orange, N. J.

Georgia AHLSCHEWEDE and George H. Healey, Chicago.

Jacqueline Patricia HINKE and Arthur H. LEIPOLD, Viroqua, Wis.

Jean Elizabeth DAY and Robert Alexander, Madison.

Betty Ann BUBOLTZ and James Elmer LUBBERS, '57, El Paso, Tex.

Marie Louise Wagner and William HAENDEL, West Bend, Wis.

Elizabeth Anne GIBSON, '58, and Gordon Robert BECKER, Madison.

1953 . . . . . W

More weddings:

Mary Ann Church and Dr. John W. ADISON, Jr., Ann Arbor, Mich.

Virginia JOHNSON and Eugene Robert REINHOLD, West Allis, Wis.

Marion GRILLHOESL and Dale Levander, Redondo Beach, Calif.

Bessie Jane FREEMAN, '55, and John Arthur LaBUDDE, Madison.

Barbara Ann GEHRMAN, '55, and Norman C. JOHNSON, Benton, Wis.

Barbara Lee Brewer and Charles Edwin GORDON, Dayton, Ohio.

Carol Alice Martin, '57, and Donald Joseph LISKA, Belton, Tex.

Kathleen Rosemary JAMES, '56, and Robert Alan LEWIS, Madison.

Elizabeth Marshall and Dinon Ralph BOYER, Madison.

Natalie Lorraine DEROCHE, '54, and Philip F. PURCELL, Madison.

Jean Ann Fitzpatrick and Ned HORNBACK, Madison.

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Nannine Elizabeth HAYNES, '55, and Robert Murray Wheeler II, Madison.

Margaret Arnhoelter and Harold STRASSBURG, Elkhorn.

Margaret Ann JOHNSON and Lt. Cameron ADAMS, '54, Lawton, Okla. GRUETZMACHER, Jr., Salt Lake City, Utah.

Bonnie Jane RILEY, '54, and Carl Donna Mae BURNS and Rene WEEBER, '55, Madison.

Agatha Marilyn MEYER, '54, and Roland Carl WEBER, Madison.

Rachel Ellen LIGHTER and John Henry Crissinger, Cedar Rapids, Ia.

Joan Nancy BOESCH, '54, and Gordon Grayson KNAPP, Madison.

Barbara Jean BARRETT and Victor Hugo STEUCK, Montello.

Mary Helen MAHER and Daniel GRZEGORCZYK, '54, Cudahy.

Donna Mary DRILL, '54, and Frederick Louis DREXLER, Manitowoc.

Marcia Louise Wamhoff and Frederick H. JACOBY, Madison.

Beverly J. GEHRIG and 2nd Lt. Gerald J. RANDALL, '54, Camp Stewart, Ga.

### 1954

A recent graduate of primary pilot training at Bartow Air Force Base, Fla. is Lt. Donald G. BATHKE.

David J. BASSUENER is teaching science at Beloit, Wis. high school.

Lois A. NELSON received her master of arts degree from Western Michigan College.

David E. STEYBE received the S. M. degree from Harvard University.

Alice DUREN has assumed new duties as associate professor in education at Wisconsin State college, Oshkosh.

Second Lt. Dwight H. HOLT, graduated from the Infantry School's basic infantry officers course at Fort Benning, Ga.



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## NECROLOGY

Lynas D. BARNARD, '89.

Frederick M. TISDEL, '93.

Charles M. DENTON, '96, Oconomowoc.

William Spence ROBERTSON, '99, former head of the history department of the University of Illinois.

Merton A. COUNTRYMAN, '01, Ames, Ia.

Raymond R. FRAZIER, '02, Seattle, Wash., banker.

Dr. Arthur Hale CURTIS, '02, captain of the U.W. football team in 1901, former head football coach at U.W., gynecology department head of Northwestern U. medical school.

Elmer J. FALK, '03, Stoughton pharmacist. Loren Durglit BLACKMAN, '04.

L. P. HASKINS, '05, former business administrator of the chemistry department at the U.W.

Mrs. Anna SMITH Blakeman, '06, Berkeley, Calif.

Francis J. McLEAN, '07, Menomonie.

Dale RUNDELL, '07, Platteville.

Major General Philip B. FLEMING, '09, former head of the Federal Public Works Administration and of the Maritime Commission, Undersecretary of Commerce and ambassador to Costa Rica.

Thomas L. HARRIS, '12, emeritus sociology professor at the University of West Virginia.

Henry B. NELSON, '13, retired vice president and treasurer of the Commerce Clearing House, Naperville, Ill.

Gerhard ANDERSON, '13, Madison.

Edgar A. PAULSEN, '14, Kiel.

Albert BRANN, '14, East Orange, N. J.

Carl F. EYRING, '15, Dean of the College of Physical and Engineering Sciences at Brigham Young U., Provo, Utah.

Major General A. Franklin KIBLER, '15, retired after 35 years of military service.

Mrs. Katherine NEWMAN Gray, '15, Little Falls, N. J.

Albert H. SCHUBRING, '17, New York.

Mrs. Helen AURLAND Grimm, Jr., '17, Gipsy Trail club, Carmel, N. Y.

Henry David SCHULTZ, '18, Berea, Ky.

John F. KUEHN, '18, Kenosha.

Charles R. HILL, '19, Whitewater.

Joseph O. REEVES, '19, Ft. Madison, Ia.

Henry KELLER, Jr., '21 Plainfield, N. J.

George P. DAVIS, '22, Bloomington, Ill.

George J. BORGMAN, '22, field superintendent for engineering and architectural firm, Detroit.

Mrs. Hazel HORSTMAYER Price, '23, Milwaukee.

Dr. Robert J. LOWTH, '23, Chicago.

Holger W. RASMUSSEN, '23, chemical salesman, Montclair, N. J.

Floyd MONK, '23, municipal court judge, Racine.

Clifford O. OLSON, '24, Madison druggist. Rev. W. Ross CONNER, '24, pastor of the First Methodist Church, Portage.

Mrs. Mabel SAUERHERING Connell, '24, Madison.

Athol John MOYNIHAN, '26, River Falls.

Mrs. Madge COLLAR Preble, '27, Chicago.

Canon Marshall M. DAY, Christ Episcopal Church, Whitefish Bay.

Mervin W. HESS, '30, insurance broker, Madison.

Floyd H. PEDLEY, '33, Kenosha

Mrs. Constance TEELING Bittner, '41, Flossmoor, Ill.

James E. WOOTTON, '41, teacher at Beloit High School.

William F. FAULKES, Jr., '41, in a construction accident, South Charleston, W. Va.

Dr. J. Bruce HOERTZ, auto accident, Cuyahoga Falls, O.

Mrs. Frances MEYRICK Reeves, '48, polio victim, Green Bay.

George ZOCH, '48, Des Moines, Ia.

Frederick G. HINMAN, '47, state insurance examiner, in Madison.

James A. ZISKIND, '48, lt. in U. S. Navy medical branch, in Philadelphia, Pa.

Betty G. WORKS, '48, Washington, D. C. settlement house worker, in Green Bay, Wis.

Warren F. RADKE, '49, foreman of Madison Newspapers, Inc.

Dorain C. LOVETT, '50, forester in Iron River, Mich.

Thomas A. FRIEDMANN, '51, victim of racing car accident, Milwaukee.

The Rev. Gilbert K. HILL, '54, Marinette, Wis.

# Mind vs. Machine

(continued from page 21)

Wisconsin meteorologist Prof. Reid Bryson points out that fingerprints have long aided police in the identification of criminals. He says that perhaps the whorls of the weather maps, with computers doing the ground work, will evolve a more accurate weather forecasting service than we already have.

Computers not only span the most complicated variety of mathematical work; they perform the drudgery as well. Some of the machines, like the International Business Machine's 650 Magnetic Drum Data Processing Machine, can be adapted to make out an office payroll or to do other routine office work. Much tedious work like arranging many numbers in order of size is a simple matter for machines like this one to handle.

The IBM 650, acquired by the Numerical Analysis Laboratory in July, is a good illustration of how these machines operate. It is the fastest electronic calculator in Wisconsin with a 20,000 digit "memory."

In solving a series of complex mathematical equations, the 650 operator first feeds a series of punched cards to the machine which give it operating instructions on how to solve the problem, step by step. The operator then provides the machine with data from an experiment or calculations.

The instructions and mathematical data on the punched cards are transmitted to the magnetic "memory." Each number is stored on the surface of the drum as tiny magnetized spots. Each group of spots has an "address," so that any number can be called for and made available when needed.

The drum, which is only four inches in diameter and 16 inches long, turns at the rate of 12,500 revolutions per minute, and the average "address" can be located in less than three-thousandths of a second. The "memory" retains up to 20,000 digits at 2,000 separate "addresses."

The machine adds or subtracts 10-digit numbers at the rate of approximately 200 each second. Multiplication of 10-digit numbers by 10-digit numbers to develop a 20-digit product are done at the rate of about 60 a second, and divisions of 19-digit numbers by 10-digit divisors are performed at the rate of around 50 a second.

A discussion of the uses of these machines brought experts in fields as diverse as rocket science, human affairs and astronomy to the University of Wisconsin last summer for a conference on "The Computing Laboratory in the University."

One very important limitation of the machines, and it is a reassuring one to those who fear a complete automatization, was stressed at the meeting. Vincent E. Rideout, a UW electrical engineer, reminded the scientists that even the fastest "electronic brains" do not think—they only calculate—and more mathematicians must be trained to operate them.

Prof. Hammer has reassurance too. He says that although automatic operation of industrial plants by machines is a possibility, the machines are essentially stupid. They are fast, he says, but they can perform only as well as they are directed to perform by humans.

The role of the University in computing is changing too. Dr. Jay W. Forrester of the Massachusetts Institute of Technology told members of the computing conference that elec-

tronic computation is entering a new phase and that "yesterday's graduate school training in digital computers will be tomorrow's undergraduate or even high school material."

The University no longer will need to train the computer "expert," Dr. Forrester said, but universities can concentrate in computation, as elsewhere, on enduring fundamentals. Proficiency in computer use can be acquired by later work experience to fit the career a student chooses, he said.

Dr. Forrester advised students to understand how electronic information processing related to their other interests, how the trend toward mechanization of clerical functions can change our commercial practices, product distribution organizations, and administrative structures; how computation can substitute for expensive experiment in engineering research and design; and how machines can aid in management decision-making.

The expanding uses for computing machines lead to further speculation for the future. Some visualize more automatization in industry; others view the machines only as useful tools. No one denies the influence they will exert.

Prof. Hammer said our guided missiles will have to carry automatic calculating machines to guide their course of flight.

Similarly our electronic machines will need human ingenuity and thinking to guide their course in the world in which we live—even in a computing age.

## Engineering Education

(continued from page 4)

The student is urged, whenever possible, to spend an additional semester or year in order to take advantage of the many excellent offerings "on the hill." The engineering societies have developed and assist in many ways to implement a program of continuing education during the first five years after graduation. Included in this program are well-defined efforts to integrate the young engineer into the community and a carefully planned program of selected reading. Among the hundreds of titles are some 20 in the natural sciences, while the remainder are in philosophy, economics, sociology, psychology, business and industrial management, poetry, essays, fiction, history, biography, travel and the arts. Thus the young engineer is encouraged and stimulated not only to begin to assume his responsibilities as a citizen in his community but also to broaden his acquaintance with all areas of knowledge. Habits formed in the early years after graduation are likely to persist and this may be the reason for the excellent record to which the engineering profession as a whole can point with pride.

Yes, I believe that engineers do receive a well-rounded education, but there is plenty of room for improvement. I also believe that, given more time, we could do a better and more complete job in our universities and leave less to the initiative of the individual after graduation.

*Do you have a question about the University or some query relating to education that a University faculty member can answer? Send it to the Wisconsin Alumnus, Memorial Union, Madison. We'll get the answer and the best of the questions will be printed in the magazine.*

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# EUROPE 1956

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**PORTUGAL** — Novelist V. S. Pritchett writes lovingly of the tiny bargain paradise whose beauties are second to none!

**FRANCE** — A Norman holiday steeped in the scandals of Flaubert and de Maupassant. Calvados and the *joie de vivre* of all the French novels you've ever enjoyed!

**DUBLIN** — "A true-born Dubliner is hard to find!" claims Seamus Kelly — and goes on to introduce the most colorful crowd of Irish citizens you've ever met!

**SPAIN** — Barnaby Conrad tells the true story of a boy with bullfighters' blood and fear in his heart!

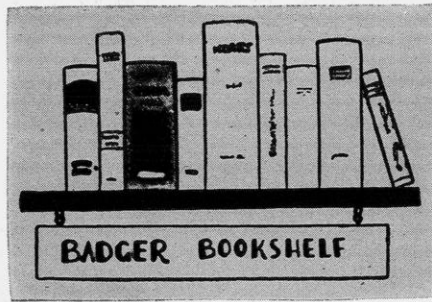
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on your newsstand Dec. 13!

## JANUARY HOLIDAY

MAGAZINE

A CURTIS MAGAZINE



**THE QUEEN'S CROSS.** By Lawrence Schoonover, '27. Sloane, (\$3.95).

Already established as one of the most accomplished historical novelists of today, Schoonover doesn't detract from his reputation in this biographical novel based on the lives and times of Ferdinand and Isabella. The *Chicago Tribune* calls it Schoonover's best effort to date. Schoonover lives in Hempstead, N. Y.

**BILLINGS AND WATER POWER IN BRAZIL.** By Adolph J. Ackerman, '26. American Society of Civil Engineers. (\$7.00).

A. W. K. Billings was an engineer whose genius was decades ahead of his time. This biography by Ackerman, a hydroelectric engineer of note in his own right, brings into sharp focus the perfect example of technical assistance in action by private enterprise. The book is well illustrated.

**POLITICAL WARFARE.** By John Scott, '33. John Day Co. (\$3.75).

Subtitled, "A Guide to Competitive Existence," this book analyzes the cold war, and more, contains a description of all elements of political warfare, from tea-cup diplomacy to sabotage and misinformation. The author was for many years a *Time* correspondent on both sides of the Iron Curtain and is now assistant to the publisher of that magazine.

**THE SOCIALIST PARTY OF AMERICA.** By David A. Shannon, '46. Macmillan. (\$4.50).

The author, who received both MA and Ph.D. degrees from Wisconsin, is now an associate professor of history at Teachers College, Columbia University. His book is the first full-length history of the political party that once flourished, then collapsed in the 1930's. It's both history and an analysis of that failure.

**THE FOUR RIVERS OF PARADISE.** By Helen C. White, Macmillan. (\$3.50).

Wisconsin's well-known English Professor White has written her fifth his-

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**101 USABLE PUBLICATION LAYOUTS.** By Kenneth B. Butler, '25. Butler Typo-Design Research Center, Mendota, Ill. (\$3.75).

This is a sort of Thesaurus of magazine layouts that every publication editor will welcome as a source of ideas and inspiration. It's a sequel to earlier works on headline design and effective illustration published by the research center which bears the author's name. Butler is widely known as a magazine consultant and currently is a columnist in *Advertising Age*.

### Kind Words

This is to thank you for the continuing joy and satisfaction I feel with every issue of the *Wisconsin Alumnus*. Keeping in touch with Wisconsin could never be so accurate, comprehensive, interesting as the job you manage to do. Just to let you know it's appreciated by all the alumni who have the good fortune to maintain their contact with the University in this manner.

By the way, I have received a promotion. My "new" address:

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