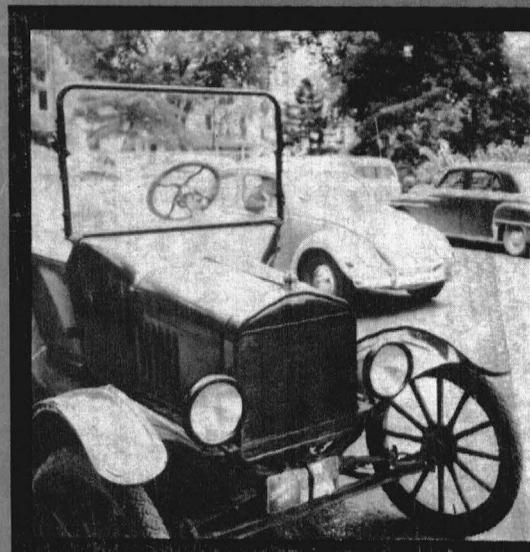
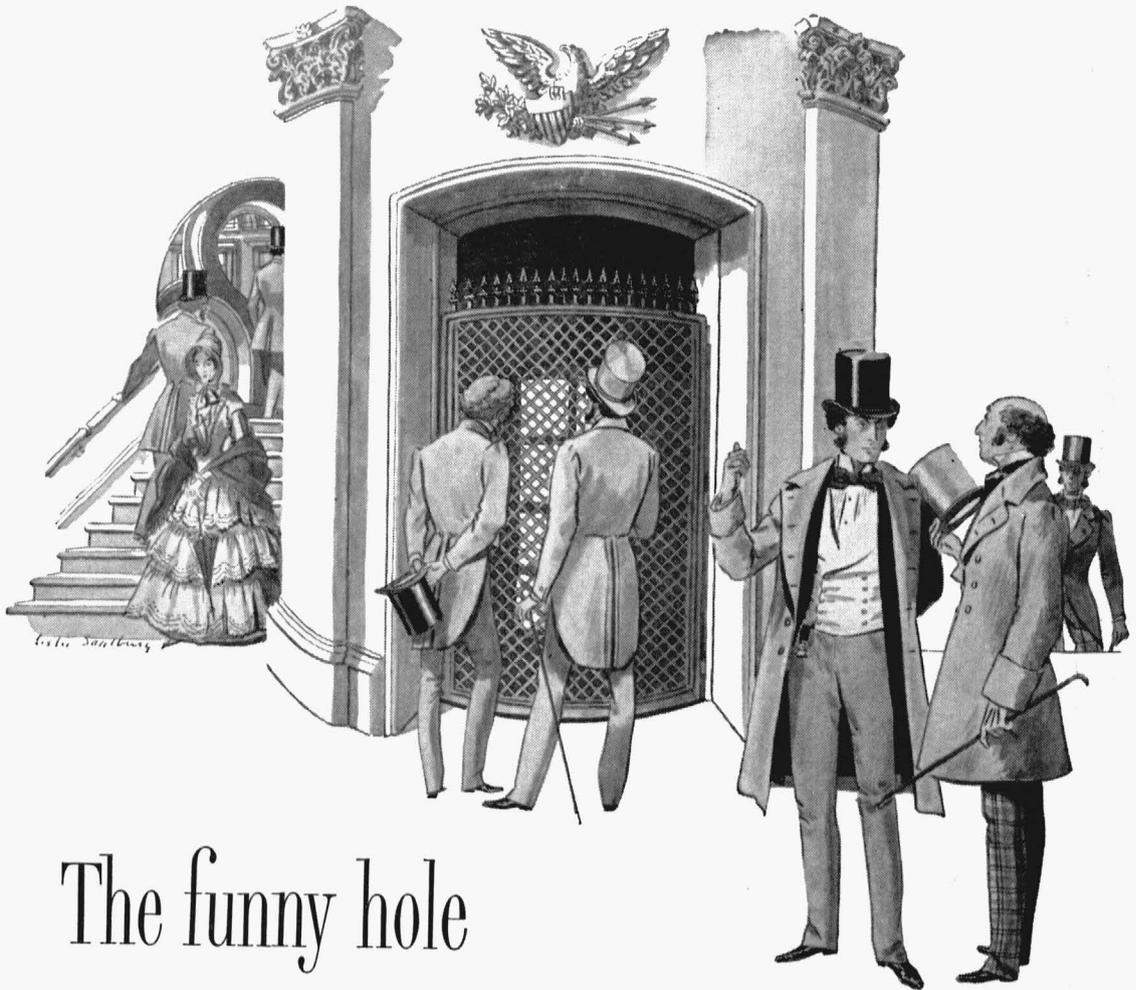


MISSOURI
Alumnus

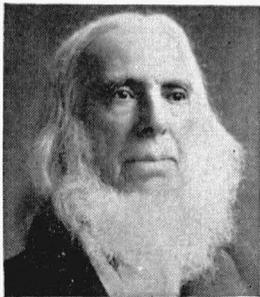
JUNE 1958





The funny hole

in Mr. Cooper's building



MANY a New Yorker shook his head, and not a few snickered, when they saw the "hole" in Peter Cooper's new building.

But to the benign gentleman with the ruff of graying whiskers it was all so simple: Some day someone would perfect the passenger elevator.

The mere fact that there wasn't one in 1853 would mean little to a man who, with his own hands, had built and driven the first American locomotive. Whose money, and faith, were to help see the Atlantic Cable through all its disasters to final success. And who would "scheme out" a Panama Canal plan fourteen years before DeLesseps.

But Peter Cooper's belief in the future ran in a vein far deeper than simply the material. For his "building with a hole" was Cooper Union, the first privately-endowed tuition-free college in America. A place where young men and women of any race, faith, or political opinion could enjoy the education which he, himself, had been denied. Peter Cooper's

dearest dream—which has continued to grow dynamically for nearly a century and today enriches America with thousands of creative thinkers, artists, and engineers.

There is plenty of Peter Cooper's confidence and foresight alive among Americans today. It is behind the wisdom with which more than 40,000,000 of us are making one of the soundest investments of our lives—in United States Savings Bonds. Through our banks and the Payroll Savings Plan where we work, we own and hold more than \$41,000,000,000 worth of Series E and H Bonds. With our rate of interest—and the safety of our principal—guaranteed by the greatest nation on earth. You're welcome to share in this security. Why not begin today?

Now Savings Bonds are better than ever! Every Series E Bond bought since February 1, 1957, pays 3¼% interest when held to maturity. It earns higher interest in the early years than ever before, and matures in only 8 years and 11 months. Hold your *old* E Bonds, too. They earn more as they get older.

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MISSOURI **Alumnus**

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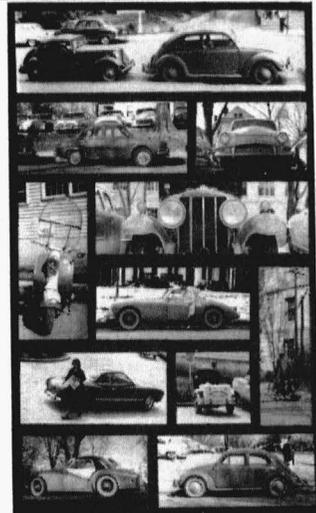
Flavius B. Freeman, '35, Springfield, President, University of Missouri Alumni Association

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About the Cover

Photographer Lee Battaglia roamed the campus for days to record the various means of transportation employed by students and faculty. Obviously, sports cars of foreign make are on the increase. Much in evidence, though, is the ancient Franklin used by Dean Bent, as well as a Model T here and there. Professor W. Donald Oliver is one of the few faculty members still using a bicycle.



Herrn Dr. Hermann Boff.
University of Missouri
Columbia, Missouri, U. S. A.
Liebe Frau Dr.

Dr. Schwarz
Karlsruhe, Baden
Frankenquartier
Afrika. 2. Januar 58

Ein ziemlich schwere Verletzung der Hand, die nun langsam heilt, bereitet mir eben Schwierigkeit im Schreiben und erlaubt mir nicht auf Ihre so interessante und klare Darlegung zu antworten wie ich möchte. Sie ist mir sehr wertvoll, durch Einzelheiten, die sie mir bietet. Ichre Ideen werden auch von mir vertreten. Auch ich lehne die saubere Bombe als eine Hypothese ab und schätze die Gefahren der Fortsetzung der Bombenversuche sehr hoch ein. Interessant war mir besonders auch was Sie über Gewinnung der friedlichen Energie sagen.

Die Verkehrung der Wahrheit über die Gefahr der Bomben, wurde verfolgt ich schon seit 1955. Aber ich glaube, dass die Regierungen nicht mehr mit dieser Täuschung fortfahren können, obwohl die Zeitungen noch alle ~~Wahrheits~~ ~~schweigend~~ ~~Artikel~~, die sie zugesandt bekommen, ohne Kommentare abdrucken. Herzliche Grüße
Herzlich Ihr angehender Albat Schwarz

atomic radiation . . .

With the exception of fire, atomic radiation probably represents the greatest single discovery in the history of civilization.

In its larger aspects, the field of atomic radiation, or what is the same thing, atomic energy, involves, among other things, questions of physics, chemistry, technology, biology, genetics, medicine, meteorology, oceanography, agriculture, forestry, food distribution, law, economics, finance, war, ethics and religion. In short, it affects in greater or lesser degree practically every phase of human existence.

Obviously no one man can claim to speak authoritatively in even a single one of those sub-fields, let alone the whole of them. A few examples will make this point clear.

Nuclear reactions, which are the basis of all atomic phenomena, are studied by physicists and chemists. Making such reactions possible on a large scale is the job of technology. Biologists, geneticists and medical men must determine the short- and long-range effects of man-made radiation on human health and heredity. Meteorologists and oceanographers have to find out how radio-active particles are distributed all over the earth by the currents in

the upper atmosphere and in the oceans. We need also to know how radiation affects our fields, forests and water supplies, what it does to food-crops, to cattle and fish and to all other plants and animals. Then there is the question of legal liability for large-scale damage resulting from inevitable atomic accidents. Who will pay claims running into the hundreds of millions? What effect will the gigantic expenditures we are now committed to have on our economic stability? Can atomic war be avoided, or will it wipe out the human race?

Have we any legal or moral right to rain a steady shower of violent poison down upon millions of people all over the earth without their consent? Or should we paraphrase the slogan of our forefathers to read: "No radiation without representation!"?

A leading Japanese geneticist declared recently that if the present rate of testing is continued, the Japanese people will be extinct in ten generations. Japanese scientists are very good, but even if this one were quite wrong, we still have no right whatever to use as guinea pigs people whom we desperately need as our friends.

And finally, we profess to be a Christian nation.

Dr. Albert Schweitzer
Lambarene, Gabon, French Equatorial Africa
January 2nd '58

Dr. Herman Betz
University of Missouri
Columbia, Missouri

Dear Dr. Betz,

A rather bad injury to my hand, healing very slowly, makes it difficult for me to write, and to answer your interesting and clear statement which is very valuable to me by the details it gives. I stand for the same ideas as you do. I, too, refuse to accept the Clean Bomb; the name is merely a mystification. I, too, consider the risk of the continuation of the bomb tests to be a terribly great one. What you say about the development of peace-time use is of special interest to me.

Already since 1955 I am watching the secrecy thrown on the truth about the danger of the bomb tests. But I think that now governments no longer will be able to continue this policy of secrecy, although papers still accept and print, without comment, all articles depreciating the risk whenever these are sent to them.

Sincerely yours
Albert Schweitzer



*Dr. Schweitzer also sent
autographed picture.*

what it means to us

By Herman Betz

Is what we are doing reconcilable with any decent religious principles? We would not dream of lining thousands of people against a wall and shooting them down in order to test a new machine-gun. Yet this, in effect, is what the United States, Russia and Great Britain do when they test their fantastic new weapons. To be sure, we see no bodies slump over in death, we hear no anguished cries. These victims die silently. We do not know who they are or where they are, but they are victims just the same, and the iniquity cannot be glossed over by any number of fine words, or loose talk about negligibility.

To go into these matters with any degree of completeness would take hours, so I can at best only summarize the most urgent questions.

One reason why any exposition of these matters, in the particular case of atomic energy, has until recently been difficult, is that all public discussions of atomic questions are impeded by the veil of secrecy which from the beginning all governments have thrown over them.

Now there never were any real atomic secrets.

Once Otto Hahn, the German physicist had succeeded, in 1939, in splitting the uranium atom, it

was only a question of time, money and brains when every industrially developed nation would do the same and proceed to build atomic bombs and reactors. Our scientists have always realized that England, France, Germany and Russia have just as good scientists as any we have. What we could do, they could do. And they did. Now that the Russians have launched a number of earth-satellites we shall have to revise our ideas about American scientific supremacy, though there is no occasion to go to the opposite extreme and believe that we are now completely outclassed. The truth is simply that the Russians have always been particularly interested in rockets, have done much of the fundamental research on them, and have been willing to divert unlimited scientific and material resources from their civilian economy in order to achieve this breakthrough. We could unquestionably have done the same, if we had been willing to pay the same price. Of course, our national pride is hurt, but I am not at all sure that we ought to have paid that price, because I believe that in the end it would buy us nothing. In any case, it will not be long before Red China will have H-bombs and atomic reactors. The same is true of

Dr. Herman Betz, professor of mathematics at the University of Missouri, has been waging a one-man campaign against nuclear weapons testing since June, 1957. He made his first talk on atomic radiation at that time and has since given fourteen additional talks,

many of them before state groups on the campus. Proud of a letter from Dr. Albert Schweitzer (reproduced and translated on the preceding pages), he explains: "My correspondence with Dr.

Schweitzer came about in this way: Dr. Willard H. Libby, the scientific member of the A.E.C., last year wrote an open letter to Dr.

Schweitzer attacking him for his statement regarding nuclear testing which the Nobel Prize Committee had made public. Since the views I had expressed concerning weapons-testing coincided with those of Dr. Schweitzer, and since the American press seemed to be almost wholly on Libby's side, I wanted Dr. Schweitzer to know

that many thinking Americans agree with him that the testing of nuclear weapons must be brought to an end, lest irreparable damage be done to generations yet unborn. So I sent him a copy of one of my addresses on atomic radiation, and his letter followed almost immediately. Later he sent an autographed photo of himself as well as pictures

of the hospital buildings and grounds at Lambarene." In recent months Dr. Schweitzer has released three additional statements through the Nobel Committee.

Dr. Betz, before coming to the M.U. faculty in 1924, taught at Yale, where he received his Ph.D., and at Cornell and the University of Michigan. He is a native of Rochester, N. Y. and a graduate of the University of Rochester.



India and other Asiatic countries. The idea that a handful of spies were responsible for Russia's acquiring the atomic bomb and guided missiles is simply nonsense. Of course, all governments have always employed espionage, but it is yet to be proved that any of them ever obtained a really decisive advantage over the others in this way.

Needless to say, no one is suggesting that we advertise our latest scientific and technological achievements to the whole world, least of all Russia.

Scientific progress in the various countries is never strictly synchronous. First one will be temporarily ahead, then another, and even a temporary advantage may act as an effective restraint against rash action, or precipitate such action, depending upon who has the advantage.

In other words, prudence and common sense are always called for. But when, as was reported recently, some overzealous Pentagon censor stamps as "classified and restricted" a book on the Civil War, written 78 years ago by a Civil War general, he shows neither prudence nor common sense.

What is happening now is that instead of seriously hampering our enemies, we are keeping our own citizens in the dark about things they ought to know. The Russians, of course, represent the very acme of the secrecy-mania. With them, everything is kept secret. Communism, as a system of government, has proved to be a colossal and dismal failure. Nevertheless, it would be very foolish of us to underestimate the very great power and capabilities of the Russians.

In our own case, it has to be emphasized that we have not been fully informed—under either administration—for the past 12 years, about the essential facts related to nuclear energy.

Maybe part of this is justified on grounds of mili-

tary security. But it can also not be denied that much of it has nothing to do with security. What little the government has released virtually had to be pried out of it, usually after some unforeseen disaster had occurred, as in the case of the Japanese fishermen. On the other hand, the government has put out, and continues to put out, misleading, conflicting and sometimes downright false pronouncements, all of which are calculated to reassure the American people that everything is under control and there is no need to worry. This sort of thing can be illustrated by a recent example.

Last summer, Dr. Teller and three other University of California nuclear physicists informed the Joint Congressional Committee on Atomic Energy that they had "high hopes" of obtaining a virtually clean bomb, but that such a weapon could not be built without tests. Some days later, Admiral Strauss, the head of the A.E.C., took these men to see the President, and they assured him that they *knew* how to make such a clean bomb, when in fact they only *thought they knew*, which is something quite different. But by July 3rd, the President, who is a busy man, had perhaps forgotten just what they told him, and in his press conference of that day he said: "They (these scientists) tell me that already they *are producing* bombs that are practically clean."

You see that a mere "high-hope" in the mind of Dr. Teller, who until lately was a very optimistic man, is in two weeks transformed into *actual production* of clean bombs. To round out this confusing picture, I may add that more than a month later the A.E.C.'s semi-annual report made it plain that not only has there been no such thing as a pure fusion explosion as yet, but that none is even in sight. Even

(Continued on page 33)

around the university

A graduate scholarship in the field of American history at the University has been established as a memorial to the late Prof. Jonas Viles and his wife, the late Ruth H. Viles. The scholarship was established with a gift of \$5,000 from their son, Philip H. Viles, of Claremore, Okla. President Ellis said Philip Viles indicated he and his wife wish to add to the principal of the fund from time to time, and that they also invite old friends and former students of Prof. Viles to contribute to the principal if they wish. He said the principal is to be invested by the Curators of the University, and the income may be used each year for the scholarship. Dr. Jonas Viles was professor of history at the University of Missouri for more than forty years, and chairman of the department of history for about twenty of those years. He directed a great deal of research in American history, especially in the history of Missouri and the West.

The University of Missouri is one of 26 leading Midwest educational and research institutions that have formed an inter-university corporation to be known as Associated Midwest Universities. The University is represented in the governing body of the organization by Dr. Newell S. Gingrich, professor of physics, who is one of the eight members of the initial Board of Directors. His term extends to June 30, 1959. The new organization has been incorporated as a not-for-profit corporation under the laws of Illinois, and headquarters are scheduled to be set up at Argonne National Laboratory, Lemont, Ill. The new organization will conduct research and education in all branches of science, including but not limited to nuclear science in relation to all other fields of science; establish means for facilitating the use of the Argonne National Laboratory and other laboratories by duly-qualified personnel and students from the several cooperating institutions; and operate laboratories and other facilities as necessary for research and education.

Dr. C. Thorpe Ray of New Orleans, at present associate professor of medicine at Tulane University School of Medicine, has been appointed professor of medicine and chairman of the department of medicine at the University. Dr. Ray will assume his new duties here on or about July 1. He will succeed Dr. William A. Sodeman, who resigned and is now dean of Jefferson Medical College, Philadelphia. Dr. Ray has been on the faculty of Tulane's School of Medicine for thirteen years, and previously served on the faculty of the Southwestern Medical School of the University of Texas at Dallas. He was born in Hutto, Texas, in 1916, and received his A.B. degree from the University of Texas in 1937, and his M.D. degree in 1941.

Dr. A. Sterl Artley, professor of education at the University of Missouri, has received word of his election as president-elect of the International Reading Association, an organization of educators and others concerned with problems of developmental and remedial reading. The association has some 10,000 members, with chapters and divisions in England, Australia, Hawaii, and elsewhere in addition to the United States and Canada. Dr. Artley, who will serve as president of the association for the year 1959-60, was elected by mail ballot by the entire membership. He is a member of the Committee on Evaluation of the Association, and for several years served on the Editorial Committee.

Dean Loran G. Townsend of the University's College of Education has announced the appointment of Dr. Frank Heagerty of Lebanon, Mo., to the new post of director of the Laboratory Schools and Student Teaching and associate professor of education at the University, effective Sept. 1. He succeeds Dr. John S. Maxwell, who has been promoted to full professorship in the College of Education. Dr. Heagerty has been superintendent of schools at Lebanon since 1944, and for the last six summers has taught at the University. He is widely recognized as an authority on school administration. He received his master's degree in 1938 and his doctor's degree in 1950, both from the University.

Dr. Adrian Pauw, professor of civil engineering at the University of Missouri, has been appointed a member of the Department of Bridge Design Project Committee of the National Academy of Sciences' Highway Research Board. His appointment is for the period ending Feb. 1, 1961. The National Academy of Sciences is a private non-profit corporation established by Congress in 1863 for the furtherance of science and to advise the Federal Government in scientific and technical matters. The Highway Research Board is an agency of the Division of Engineering and Industrial Research for the National Research Council, which was organized by the National Academy of Sciences to enable scientists and engineers to associate their efforts with those of the Academy.

A proposal to establish a State Traffic and Transportation Center at the University was approved by the Tenth Annual Traffic Engineering Conference held at the University. The proposed Center would integrate and coordinate Missouri's traffic and transportation planning and development on a statewide basis, as a means of promoting the industrial and economic development of the state.

Continued on page 35

alumni funds start M.U. Press

The University of Missouri Press, for years regarded as a vital need, comes into being July 1.

The Press will provide for the publication of worthy books that are of special interest to the State of Missouri or to the University.

President Ellis, in announcing formation of the new service, said that Dr. William H. Peden, professor of English at the University, will be Director of the University Press, with a committee of six members to advise with him on policies and operations.

"Our University Press is made possible by financial help from the University Alumni Achievement Fund," President Ellis said. He praised the University Alumni Association for making funds available to give the University Press a start. He added that an established Press can sometimes get financial assistance from private and public foundations and agencies to make important publications possible.

"There is at present no good general source of book production of materials relating to Missouri outside of strictly commercial channels," President Ellis said. "Our purpose is not to compete with commercial publication, but to provide a means of publishing books that are useful to the State and to publish valuable materials that grow naturally out of the University's program of research and teaching, and materials from other colleges and universities and research agencies." The University Press will also provide a better organization of some of the present publishing functions, such as the University of Missouri Studies and Missouri Handbook Series.

The primary purpose in establishing a University Press is to encourage work in the research and creative field among the faculty and staff of the University itself, and to publish important works in any field by anyone who submits a manuscript which the director and committee believe worthy of publication.

It is the present intention of all concerned to stress publication of works in the professional and academic fields, President Ellis said, although there is nothing in the provision for the Press which precludes publication of creative writings at some time in the future if the committee sees fit.

He said it has often been regrettable the University had no means of publishing exceptional works in book form. From time to time the University has published a book, such as "Missouri, Its Resources, People, and Institutions," which was published in 1950, but it has never done so as a regular part of its program.

President Ellis said, "We hope to encourage publication of scholarly works, and of any really good work in any field, by putting such publication within the reach of authors who have spent time, money, and effort in the research necessary to produce a good manuscript."

Contrary to general belief, an author frequently has to dig down into his own pocket for amounts up

to several thousand dollars to get publication of scholarly work.

"Many of us believe," President Ellis said, "That an author should not be required to subsidize his own book, particularly if that book holds promise of contributing to the advancement of knowledge and to a better future for our children."

Through operation of such a Press, it is possible to encourage a great deal of specialized work in various academic fields where hope is held out for public recognition, if not for modest royalties, he said.

President Ellis said it is not the intention of the University to set up or to operate a mechanical plant for the printing of books, as he emphasized that the Press will confine its efforts to the editorial and distribution side of the work. The actual printing and binding of all books will be done by regular commercial printing plants on a contract basis, he said.

Dr. Peden said it is the hope of the Press Committee that several books might be published in the first year of its operation. He emphasized that quantity will never be a goal of the Press, and said that a maximum of about five or six books a year would be considered sufficient at least for a beginning.

The University Press will not attempt any of the production of regular University of Missouri bulletins, catalogs, and other official publications prepared and published by the Director of University and Student Publications.

The University Press Committee appointed by President Ellis includes: Dr. Frank Luther Mott, Pulitzer Prize-winning author and dean emeritus of the School of Journalism, chairman; Dr. Paul L. Fisher, associate professor of journalism; Dr. Ralph Parker, University librarian; Dr. Walter V. Scholes, professor of history; Fred C. Robins, director of University and student publications; and Roger W. Straus, Jr., of New York as alumni member. Mr. Straus, a graduate of the School of Journalism here, is president of Farrar, Straus & Cudahy Publishing Co., of New York. Mr. Robins will serve as secretary of the Committee.

The *St. Louis Post-Dispatch* said editorially: "The opportunity which is opening up at Columbia is evident to all who have followed the rise of the university presses on campuses across the country. Harvard, Yale, Columbia, Princeton, Rutgers, Pennsylvania, North Carolina, Chicago, Illinois, Wisconsin, Indiana, Minnesota, Oklahoma, Southern Methodist, New Mexico, Stanford, California—all these and many more have notable university presses. The books which they issue are an important segment of those published every year. The establishment of the new press (its operations will be primarily editorial as the printing and binding will be done by commercial printers) is made possible by a most commendable grant by the University Alumni Association from its Achievement fund."

Standing: Dean Earl English, Frank Stanton, Harold Fey. Seated: Daniel Fitzpatrick, Frank Briggs, Eugene Pulliam.



Journalism medalists

Honor Medals for Distinguished Service in Journalism were presented to two publications and three individuals during Journalism Week at the University May 2. Honored were the *Christian Century* and the *Indianapolis Star*; Daniel R. Fitzpatrick, political cartoonist of the *St. Louis Post-Dispatch*; Dr. Frank Stanton, president of the Columbia Broadcasting System; and Frank P. Briggs, editor and publisher of the *Macon (Mo.) Chronicle-Herald*. Harold E. Fey, editor, accepted the award for the *Christian Century* for its forthright and impartial presentation of Christianity in 75 years of publication; and Eugene Pulliam, editor and publisher, accepted the award to the *Star* for its fearless policy in promoting the best interests of its community and its people. Dean Earl English presented the awards. Pulliam and Stanton were speakers at the 49th Journalism banquet.

David Warren's \$20,000 gift

A series of gifts totaling \$20,000 was made to the 50th anniversary celebration fund of the University School of Journalism by the late David M. Warren, Sr., Texas newspaper publisher and University alumnus, shortly before his death.

Dean Earl English said the gifts were the start of the fund to finance the semi-centennial observance. Because the celebration will be primarily a program for recognition of the important function which present-day communications have in the fight for a free society, neither state nor University funds will be used for the purpose.

Mr. Warren died last January. Dean English, in announcing the gift, said no previous announcement was possible because of Mr. Warren's explicit instructions that no publication be given to his contribution during his lifetime. Dean English explained that a letter just received from Mrs. Warren had authorized him to make the announcement at this time.

"Mr. Warren, who was graduated from the school of Journalism in 1918, always had an intense interest

in the school and the University," Dean English said. "He made many substantial contributions to the welfare of the school and the University in the form of scholarships, fellowships, grants-in-aid for research.

"Mr. Warren's generous support of the anniversary program is a source of inspiration to those of us who are working to make the observance a significant milestone in the history of communications."

In 1943 Mr. Warren received from the School of Journalism one of the Missouri Honor Awards for Distinguished Service in Journalism. In 1956 the University of Missouri Alumni Association cited him for outstanding service to the University, and he was present at the Commencement program to receive the Distinguished Service Award.

A few weeks before his death, Mr. Warren was presented a life membership in the State Historical Society of Missouri. For years he had been active in the affairs of the society, and one of his practices was to give memberships to friends, which he did on scores of occasions.

Industrial engineering department

Establishment of a Department of Industrial Engineering as a new department within the College of Engineering of the University has been approved by the University's Board of Curators. Effective September 1, 1958, the University will offer for the first time a degree of Bachelor of Science in Industrial Engineering.



Dr. Robert Eastman

Dr. Robert M. Eastman, professor of mechanical engineering who has also been in charge of the Industrial Engineering Option in the Department of Mechanical Engineering, is to be in direct charge of the new department.

The Industrial Engineering Option in the Mechanical Engineering Department will be discontinued as a result of setting up the new department. Under the option qualified students who were especially interested in the industrial aspects of mechanical engineering were permitted to specialize in industrial engineering courses, receiving a degree of Bachelor of Science in Mechanical Engineering.

The new department will bring to six the number of professional engineering departments in the University College of Engineering. The other five are Agricultural, which is also connected with the College of Agriculture, Chemical, Civil, Electrical and Mechanical. In addition, the Engineering Experiment Station for investigation of problems of scientific or engineering interest, is a division of the College.

The new department is now in process of being organized for the coming fall semester, and a curriculum has already been prepared. Requirements for the junior and senior years of work toward a B.S. in Industrial Engineering as presently planned, "shall consist of a solid core of basic engineering courses cutting across other engineering disciplines, and a major program concentrated in the field of Industrial Engineering."

Fourteen courses are listed under those for basic engineering, for a total of 30 credit hours; fifteen required major area courses are listed, for 44 credit hours, with humanistic-social courses for a total of 12 hours also required in the major area. The requirements for the B.S. degree in Industrial Engineering will be 138 hours.

Dean Huber O. Croft of the College of Engineering said that a constantly growing demand for engineering graduates in employment with manufacturing companies, as consulting industrial and management engineers, and in various phases of engineering production and research, has pointed up the desirability of adding a department of Industrial Engineering to the University's facilities. He said that the faculty of

the College "is extremely gratified to learn that the President and the Board of Curators have authorized the College of Engineering to grant the new degree of Bachelor of Science in Engineering for satisfactory completion of their requirements.

"The expansion of Missouri industries and present efforts to promote still more industrial expansion in the state justifies a greater interest in the fields of manufacturing and engineering administration by the College," he continued. "We are confident that many young men from this State will find that the engineering background to be made available by our State University will open for them more opportunities within their state, in the field of industrial engineering.

"I feel, furthermore, that the College of Engineering is extremely fortunate in having such an experienced industrial engineer as Dr. Eastman to be in direct charge of the new educational program."

Dr. Eastman, who has been on the University faculty since 1955, received his A.B. degree from Antioch College, Yellow Springs, Ohio, in 1940; his M.S. degree, in industrial engineering, from Ohio State University; and his Ph.D. degree, also in industrial engineering, from Pennsylvania State University.

From 1955 to 1957 Dr. Eastman was Director of Engineering Placement with the University in addition to his teaching duties.

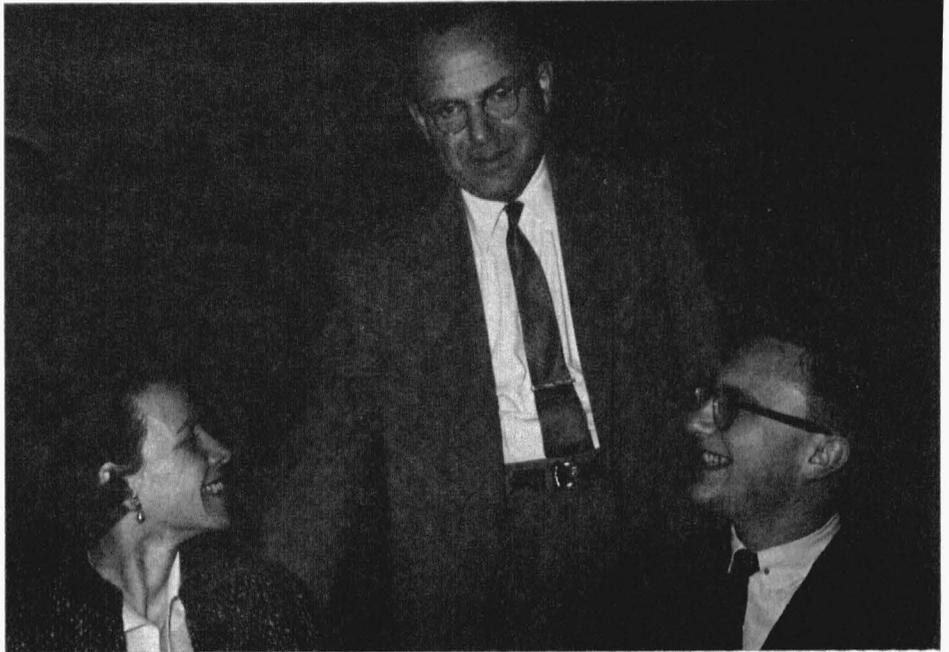
Before coming to Missouri he was associate professor of industrial engineering and Engineering Experiment Station Research Associate at the Georgia Institute of Technology in 1951-55; instructor in industrial engineering at Pennsylvania State University, 1948-51; assistant instructor of engineering drawing, Ohio State University, 1947-48; First Lieutenant with the U. S. Army Air Corps, Aviation Ordnance, 1942-46; in purchasing with Steel Products Engineering Co., 1941-42; and junior accountant, Haskins and Sells, certified public accountants, 1938-41.

He also has had considerable experience as an engineer and accountant in summer or part time employment.

Dr. Eastman is the author of a number of papers in his field that have appeared in professional publications. He is a member of the American Institute of Industrial Engineers, serving as business manager of *Journal of Industrial Engineering*, 1952-55; as a member of the association Editorial Board, 1955; and as chairman of the Publication Co-ordination Committee, 1956. He also is a member of the American Society for Engineering Education, Industrial Engineering and Engineering Economy Division, Alpha Pi Mu, Tau Beta Pi, Alpha Phi Omega, and Pi Tau Sigma.

The new department chairman also had a leading part in founding a student branch of the American Institute of Industrial Engineers at the University of Missouri in April.

Stephens Medal winners Rosemary Myers (Mrs. Jack Boetjer), Richard D. Shewmaker and Carl Gum, Jr.



speaking of old traditions

One of the rich traditional events of the campus is the Stephens Oratory Contest, said to be the oldest public speaking contest west of the Mississippi. Its history spans a period of 108 years. The contest was begun in 1850 as a Commencement activity. Eventually it became a test of ability in oratory, and ultimately a fixed campus tradition.

In 1867 J. L. Stephens donated \$500 to the University to establish a prize for oratory. Since the machinery for such competition already existed, the money was used to provide an award. As a result, in 1868, W. A. Lientz of Rocheport, Mo. received the first Stephens Medal. In 1899 Miss Daily L. Gordon became the first woman to win the award; since then there have been several women winners.

Consistently the Stephens Medal has been won by outstanding students who went on to achieve success in their fields. Guy A. Thompson, winner in 1898, became president of the American Bar Association. Cleveland A. Newton, 1902 winner, was a four-term congressman from St. Louis and once an assistant United States Attorney General. Later winners have included several men who are now prominent attorneys in Missouri and other states.

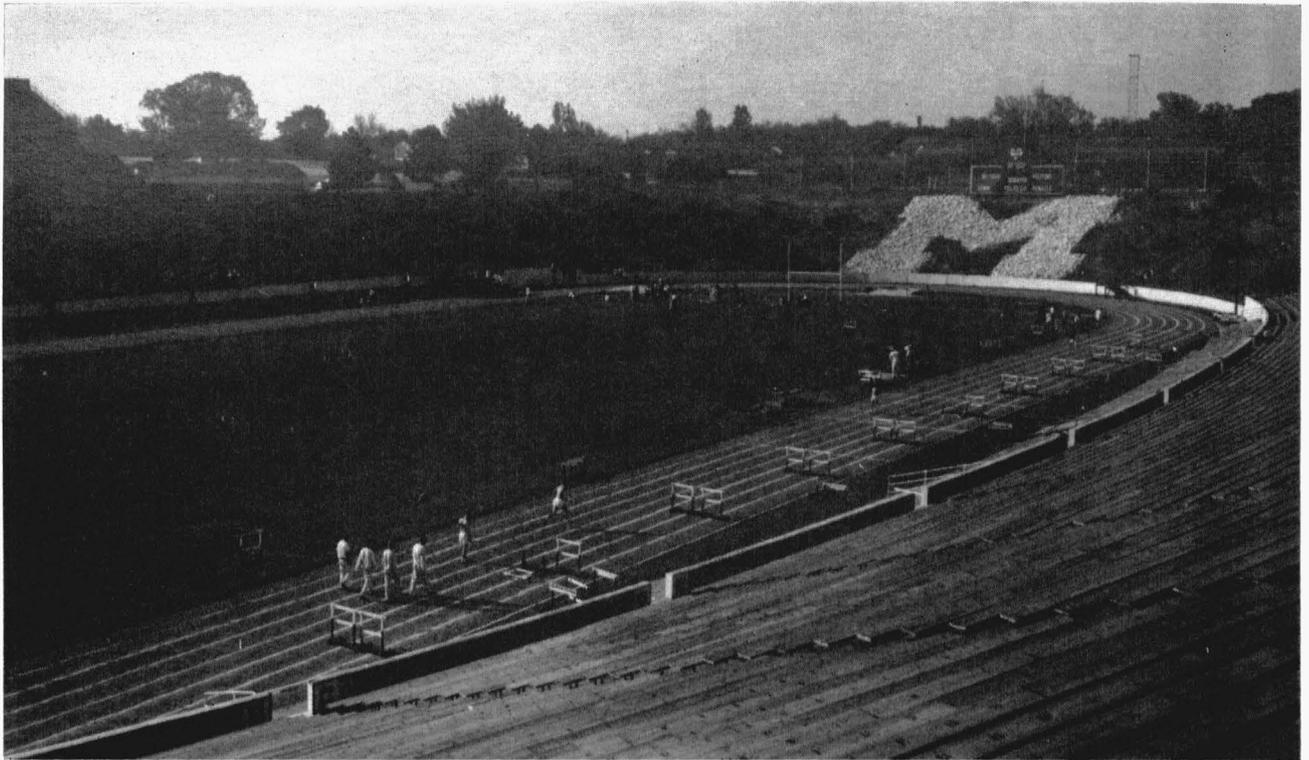
This year, Thomas L. Fernandez, director of forensics at the University, wrote to former Stephens Medal winners, whose response indicated their loyalty to the oratory contest. "One of my most vivid memories" and "I put a high value on my Stephens Medal even today" were some of the expressions they wrote. Many asked for more information on details of the contest as handled these days; all wished continuing success for the event and hoped that it was receiving the recognition on the campus which they felt it deserved. Some were able to accept an invitation to return for the 1958 contest for a reunion of Medal winners, and

others hoped a similar event could be planned for next year. The contest was held in the Memorial Student Union, preceded by a reception. Attendance and interest showed a promising upturn.

The contest is carried on in the best public speaking tradition. Contestants select their own topics and are encouraged to speak extemporaneously.

The Stephens Oratory Contest has had its lean years. On several occasions no award was made. Following are the results over the past 90 years (the asterisks denote deceased winners):

*1868 W. A. Lientz; 1869, no award; *1870, O. L. Houts; *1871, John E. Johnston; *1872, George F. Davis; *1873, Jerrold R. Letcher; *1874, Curtis B. Rollins; 1875, Arthur W. Chamberlain; 1876, no award; 1877, James J. Collins; *1878, F. W. Kumpf; *1879, R. W. Gentry; 1880, no award; 1881, W. S. Cowherd; 1882-84, no award; *1885, Thomas Lewis Rubey; 1886-92, no award; 1893, King Debord; *1894, James Winter Wight; 1895, Homer Rawlins Mitchell; 1896, Thomas Jefferson Eppes; *1897, Morton Hord Pemberton; *1898, Guy Atwood Thompson; 1899, Daisy Lenore Gordon; *1900, Henry W. Morgan; *1901, Harry H. Smiley; 1902, Cleveland A. Newton; *1903, Harold C. Thurman; *1904, George W. Ridgeway; 1905, no award; 1906, Oliver Lee Steele; *1907, William T. Nardin; 1908, Floyd E. Jacobs; 1909-12, no award; 1913, George C. Willson, Jr.; 1914, Rush H. Limbaugh; 1915-17, no award; 1918, Fred R. Suddarth; 1919, Fred Richard Suddarth; 1920-21, no award; 1922, Louis D. Potter; *1923, J. Grant Frye; 1924, Horace W. Hughes; 1925, Richard D. Shewmaker; 1926, Jean Paul Bradshaw; 1927, Vencil Q. Harmon; 1928, Mrs. L. A. Douglas; 1929, Donald Clinton Cox; 1930, N. Von Allen Carlisle; 1931, Wallace Palmer; 1932, Jessie Lou McGraw; 1933, Everett Gillette; 1934, Lafe Allen, Jr.; 1935, David Skeer; 1936, Robert J. Fowks; 1937, William E. Seelen; 1938, Thomas E. Klingner; 1939, Roy C. Miller; 1940, Rosemary Sye Myers; 1941, Robert Bell Stewart; 1942, Ralph Andrew Loomis; 1944, Eleanor Ann Heins; 1945, Emma Lee Reed; 1946, Joanna Aly; 1947, Robert L. Varner; 1948, Robert Eugene Yocom; 1949, Willard A. Larsen; 1950, Marshall Robert Loeb; 1951, Henry Bradsher; 1952, Barbara Lee Brown; 1953, Carl De Witt Gum, Jr.; 1954, John Jeffers MacCallum; 1955, William R. Griffiths; 1956, Robert Curran; 1957, Paul Stark; 1958, Mary Ann Ray.



New track - new records

Missouri's beautiful new Memorial Stadium track, pictured above, was the scene of the first Big Eight Track Meet May 16-17. The eight-laned red shale oval which was completed last summer at a cost of nearly \$20,000 was a perfect setting for the finest conference meet ever, M.V.I.A.A., Big Six or Big Seven.

Perennial champion Kansas used the same old formula—unchanged and unchallenged since Missouri's outdoor win in '51—of great depth in a couple of events plus an outstanding man in most of the others. Kansas scored 22 of 31 possible points in the low hurdles and 18 in the broad jump in amassing a team total of $145\frac{1}{2}$ points, more than twice as many as runner-up Nebraska's 70. Oklahoma State showed promise with $65\frac{1}{2}$ points and a third place finish.

The overall performance of the Tigers was disappointing, particularly in the running events, despite a new school record in the shot by Bob Rumping as he put 53 feet, $8\frac{1}{2}$ inches for a second behind Kansas's double winner and Olympic champion, Al Oerter, a 160 feet, $9\frac{1}{4}$ inch throw in the discus by Sophomore Dick Cochran for another second behind Oerter, and a 14 feet, $3\frac{1}{2}$ inch effort in the pole vault by Co-captain Bob Davis. Missouri scored $52\frac{1}{2}$ points for sixth place.

New meet records in the two-day assault included Nebraska's Keith Gardner's 14.0 second flight of high hurdles; a remarkable 20.4 second 220 yard dash by the same talented Jamaican, who was named the meet's outstanding star by the press; a 1 minute 50.0 second 880 yard run by Mike Peake of Colorado; a 14 feet 9 inch pole vault by Aubrey Dooley of Okla-

homa State; and a scorching 3 minute 11.6 second mile relay by Kansas State. Other great performances were the 22.5 second flight of low hurdles by double winner Ernie Shelby of Kansas (this missed the record book only because of a capricious favoring breeze which happened to be blowing beyond allowable limits at the time), the double victory of Oerter in the shot and discus, a brilliant 4 minute 7.6 second mile by Oklahoma's South African sophomore Gail Hodgson, and a 9.5 second 100 yard dash by another sophomore Sooner, Dee Givens.

A special feature of the highly successful effort by the University Athletic Department was the dedication of the Meet Program "To the volunteer track officials of Columbia who give unselfishly of their time for the love of the sport and whose only remuneration is the satisfaction of serving well." In a ceremony on the field, E. A. McKay of Columbia, AB '07, was named Honorary Head Judge and presented an award for his thirty years of service as an official.

On the occasion of the Big Eight Track Meet about one hundred track men and their families held a reunion in Columbia. Included in the group were sixteen former team captains, several Olympic performers, and innumerable conference champions including three current record holders.

The highlight of the program, of course, was the track meet, but a reception the night before the meet and a luncheon the day of the finals were also well attended. Mel Sheehan of St. Louis was elected president of the track alumni for the coming year.

Hi's baseball champs

Hi has done it again. For the seventh time in his nineteen years as Missouri baseball coach, his team has brought home the conference bunting. In fact, in thirteen of the nineteen seasons the Simmons men have finished either first or second, a record unmatched by any other collegiate baseball coach in the country.

The most serious challenge this time around came from the Oklahoma State Cowboys, dudes in this conference but experienced hands at championship baseball. The showdown came on the weekend of May 23-24. The Tigers went into the scheduled three-game series with an 11 won 3 loss conference record, scant percentage points ahead of Oklahoma State's 13-4 record.

Missouri's ace pitcher Ernie Nevers who was ineligible till mid-season because of a half season played before he was drafted in 1953, drew the important starting assignment. He justified Hi's confidence as he won his fifth straight without a loss by limiting the Cowboys to four runs on seven hits while he struck out thirteen. Meanwhile, (back at the ranch) the Tigers' potent batting order batted in twelve big runs to boost the team batting average to a soaring .324 and to maintain an average of ten runs per game for the twenty-game schedule. Three big home runs, one by cente rfielder Bob Meyers and two by rightfielder Bo Toft led the attack. For Toft these were homers seven and eight, and they put him in a three-way tie with teammate Sonny Siebert and former All-American Jerry Schoonmaker for the single season record. The sixteen homers by Toft and Siebert along with sixteen more by their teammates set another season record of thirty-two for the team.

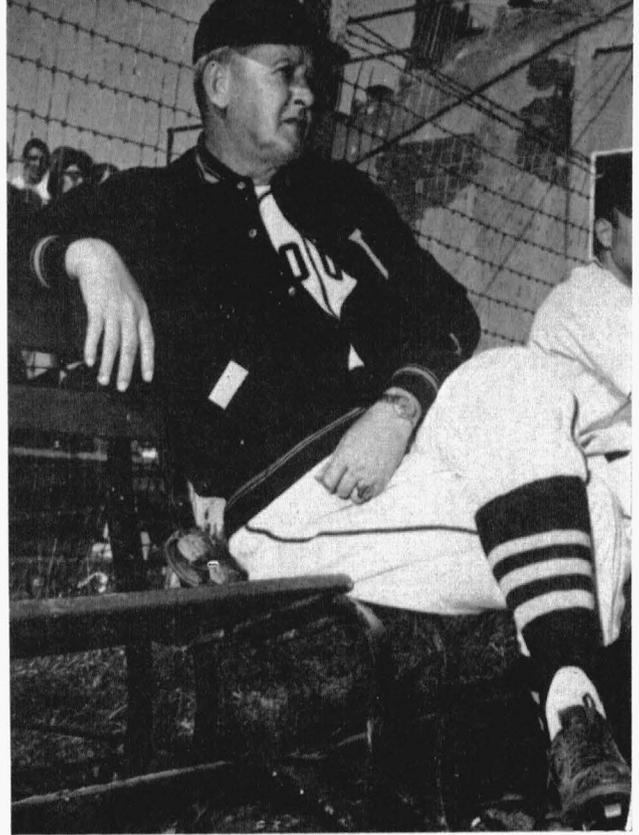
Saturday dawned gray and overcast and by "high noon" two showers had made the Rollins Field clay unplayable in the judgment of Cowboy Coach Toby Green. According to conference rules, rained out games may not be replayed; so, the Tigers were immediately named league champions.

Missouri ousted Iowa Teachers, champions of the North Central Conference, for the right to represent the N.C.A.A. Fifth District in the Collegiate World Series at Omaha June 13-18. The Tigers won two straight in the playoff series held in Columbia commencement weekend, June 6-7, snapping the twelve-game winning streak of the Iowa Panthers. It marked the third time in six years that they have gone to the National Collegiate finals.

Out of the past

Harry Tidd, C.E. '13, of 104 West 21st St., Hutchinson, Kan., writes of having luncheon in San Francisco with Pat O'Day, who coached football at Missouri in 1902:

"He is in his 87th year and has a full-time job with J. C. Gerhardt & Company, 212 Sutters Street, in San Francisco where he is on his feet 44 hours a



Coach John "Hi" Simmons, who has bagged seventh conference baseball title.

week selling clothes. He weighs the same as during his playing days at Wisconsin. He was at Missouri only 90 days—the fall of 1902—but he recalled and asked after most of the team of that year, such as Ellis, Burney, Ardinger, Wolf and many other players on the squad. He described his famous field goal which was a drop-kick when he was running at full speed and had broken through the line and just before he was tackled. He said the game was held up for 10 minutes because the Minnesota coach and players declared it was not fair and against the rules. However, it was allowed.

"He also described his 62 yard place-kick that sailed over the goal and over the end bleachers and into the street beyond. I think this stands still as an all-time record. He also punted 85 yards in the air from the line of scrimmage.

"His life would make a wonderful movie. His years in Japan as adviser to the Mikado, his reported death, his return to the United States under an assumed name and when his employer, the Red River Lumber Company of California, declared that Pat O'Day was alive, all of his classmates said 'it taint so.' They arranged a dinner in Chicago where some 15 to 20 of his old teammates met him and were soon convinced it was Pat O'Day. This was in 1934.

"He stated he would love to return to the campus at Columbia during some Homecoming and that if he was invited, he would do so. It would certainly pep up the M Men's luncheon. He is quite vigorous. His hair is hardly gray and he could pass for a man 60 years.

"I asked him what became of the blonde from St. Louis who was so crazy about him that fall in Columbia. He replied, 'I married her'."

on foreign assignments

Various grants and appointments will send a number of University faculty members to widely scattered areas abroad to further their teaching, research, and technical assistance. Leaves of absence ranging from one to two years have been granted the Missouri professors, who will carry on their work in Korea, Greece, Australia, Switzerland, Egypt, India and other countries.

Dr. Robert C. Manhart, professor of business management, will spend two years in Korea on a project sponsored by Washington University of St. Louis and the International Cooperation Administration. He will be a member of a five-man team working with Korean college and university officials in a program to modernize the schools of business administration in Korea. The team consists of a director and experts in the fields of finance, marketing, and accounting, and production. Dr. Manhart's responsibility in the group will be for the production area.

Dr. William H. Pfander, '48, professor of animal husbandry, was awarded a senior post-doctoral fellowship by the National Science Foundation for the academic year 1958-59. He will spend nine months at the Commonwealth Scientific and Industrial Research Organization Sheep Biology Laboratory at Prospect, near Sydney, Australia. There he will investigate the metabolism of acetate, which is a fundamental problem in ruminant nutrition. He will also spend two months visiting various laboratories.

Dr. Robert N. Goodman, associate professor of horticulture, will use two grants totaling \$6,250 in value to finance a year of study and research in Switzerland. The fellowships, awarded to Goodman by the John Simon Guggenheim Memorial Foundation, New York, and the Lalor Foundation, Wilmington, Del., are for \$5,000 and \$1,250 respectively. Dr. Goodman plans to spend a year in study and research in the Institute for Special Botany at the Swiss Federal Institute of Technology in Zurich. His work will be concerned with some of the chemical factors responsible for disease resistance in plants. In his work at the University, where he received a Ph.D. in '52, Dr. Goodman has been primarily concerned with antibiotics control of plant bacterial diseases.

Lindon J. Murphy, professor of civil engineering, will spend a year assisting the Egyptian government in the development of graduate and undergraduate programs in public health engineering at the University of Alexandria in Egypt. He was asked to take the assignment by the World Health Organization of the United Nations, which had been asked by the Egyptian government to recommend an engineer for the post. In 1951 Professor Murphy served as adviser for the State Department to the German government in the field of health engineering, and in 1953-54 he assisted the Philippine government in the development of safe water supplies.

Dr. Saul S. Weinberg, professor of classical languages and archaeology and chairman of the department, is the recipient of a \$7,000 fellowship from the American Council of Learned Societies to help finance a year's research in archaeology in Greece. Dr. Weinberg will continue his research into the beginnings of civilization in Greece, and he plans to complete a book on Greek civilization before 2000 B.C. He will give special interest to the newly discovered pre-pottery culture of Greece, dating well before 4000 B.C., and he hopes to be able to excavate remains of this earliest period under the auspices of the University.

King B. Odell, Jr., instructor in French, will study French literature at the University of Grenoble during the academic year under a Fulbright scholarship.

Charles S. Henderson, instructor in sociology, has been awarded a Fulbright scholarship to study racial and cultural relations at Lucknow University in India for the academic year 1958-59.

Dr. Hugh Dan Brunk, professor of mathematics, has been awarded a Fulbright fellowship for the next academic year to be lecturer at the Institute of Mathematics at the University of Copenhagen, Denmark. Before going to Copenhagen he will attend the International Mathematics Congress at Edinburgh, Scotland.

As noted in last month's *Alumnus*, Dr. Noel P. Gist, professor of sociology and chairman of the department, will lecture and study urban sociology at the University of Groningen, the Netherlands, under a Fulbright fellowship for the next academic year.



Noel Gist



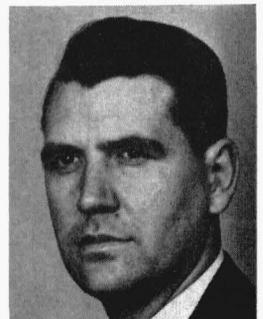
Lindon Murphy



Robert Manhart



Robert Goodman



William Pfander

*Forrest C. Donnell,
Missouri's former
governor and senator,
with Mrs. Donnell
in their home.*



Photo (by Ralph Hyer) Courtesy St. Louis Globe-Democrat

Donnell receives alumni citation

One of the events of the Law School Day Banquet was the presentation of the Citation of Merit to Missouri's former governor and senator, Forrest C. Donnell of St. Louis. The presentation was made by the University Alumni Association president, Flavius B. Freeman of Springfield, at the banquet held in Rothwell Gymnasium on April 26.

Mr. Donnell, who holds two degrees from the University and is a practicing attorney in St. Louis, was governor of Missouri from 1941 to 1945 and United States Senator from 1945 to 1951. His two campaigns for public office were conducted on so high a plane that he never uttered even mild criticism of his opponents.

In the United States Senate Mr. Donnell became legendary for what the late Senator Arthur Vandenberg of Michigan called "relentless integrity." Regarded as the hardest working of any of his colleagues, he drew national attention for the meticulous exactitude he lavished upon any project with which he was associated. Other characteristics that have distinguished his long career are a sincere desire to serve others, innate courtesy and kindness, a genuine modesty, and a sense of humor that supplements a warm friendliness.

Mr. Donnell, born at Quitman, Missouri in 1884, attended school at Cameron and Maryville. At the University he received an A.B. degree in 1904 and

the LL.B. degree in 1907. Westminster College of Fulton conferred an honorary degree upon him in 1941.

He was admitted to the Missouri Bar in 1907, the year he began the practice of law in the office of Selden P. Spencer, St. Louis. Four years later he became a partner in the firm, Spencer and Donnell, continuing until 1925. For the next three years the firm was known as Spencer, Donnell and McDonald; from 1928 to 1933 as Holland, Lashly and Donnell; and then as Donnell and McDonald. He resumed law practice in 1951 after his service in Jefferson City and Washington, and in 1956 the formation of the law firm of Donnell, Schoenbeck and Donnell was announced.

Nine years after his graduation from the School of Law, Mr. Donnell was president of the Association of Young Republicans of Missouri. He has held posts as chairman of the board of managers of the Missouri School for the Blind, trustee of the State Historical Society of Missouri, chairman of the board of the Downtown Y.M.C.A. of St. Louis, president of the Missouri Sunday School Council of Religious Education, and president of the St. Louis Evangelization Union of the M. E. Church. He was a delegate from Missouri to the General Conference of the Methodist Church at Atlantic City in 1932. He is a former chair-

Continued on page 16



Governor Blair



Judge Lozier

Blair, Lozier given awards

Missouri's Governor James T. Blair and Missouri Supreme Court Reporter Lue C. Lozier received the 1958 Awards for Distinguished Service in Law at the University in special ceremonies, April 26. The ceremonies were part of the annual Law Day activities celebrating the 86th anniversary of the founding of the School of Law here.

Each year the Law Alumni Association presents two Awards for Distinguished Service, one going to an alumnus of the School of Law, and the other to an outstanding member of the bar who is not a graduate of the School here. Although Governor Blair attended the University of Missouri, he received his LL.B. degree as well as an honorary LL.D. degree from Cumberland University.

Judge Lozier, a former Commissioner of the Missouri Supreme Court, graduated with an LL.B. here in 1918.

Governor Blair was born in Maysville, Mo., but was reared in Jefferson City. He attended the Jefferson City public schools and Staunton Military Academy at Staunton, Va. He also attended the Southwest Missouri State College at Springfield and the University of Missouri before going to the School of Law at Cumberland University in Lebanon, Tenn. He practiced law in Jefferson City, and served two terms as city attorney there.

In 1928 he was elected to the House of Representatives and was re-elected in 1930. As majority floor leader in 1931, he was the youngest man ever to hold that office. The year before, he had been the youngest man ever to serve as president of the Missouri Bar Association.

Governor Blair entered the armed service in May, 1942, and served throughout the war, three years on active duty in the European Theater. When discharged he held the rank of lieutenant-colonel, and is entitled to wear the Air Medal, the Bronze Star, the Legion of Merit, the Presidential Unit Citation, and eleven battle stars. A member of many professional, civic, military, and fraternal organizations, Governor Blair was elected mayor of Jefferson City in 1947, but resigned when elected lieutenant governor of Missouri in 1952. He was elected governor in 1956.

Judge Lue Lozier has long been one of the most loyal and active alumni of the School of Law and the

University of Missouri. Born in Carrollton, Mo., he graduated from the University with an A.B. degree in 1915 and the LL.B. degree in 1917. He practiced law in his home town, and then served as Assistant Attorney and then Chief Counsel of the Missouri State Highway Commission on two different occasions. He was appointed in 1950 to fill an unexpired term as Commissioner of the Missouri Supreme Court, and in 1951 was appointed for a four year term. He announced his retirement several years ago, but was just recently appointed court reporter for the Supreme Court to fill an unexpired term in that position. Judge Lozier is a veteran of both World Wars, and holds the Legion of Merit award. He is a member of the American Legion Founders and a Past State Commander of the Legion. He is also a member of the Veterans of Foreign Wars and the Military Order of World Wars, as well as member of many professional and honor societies. Judge Lozier is also a past president of the Law Alumni Association and of the Law School Foundation.



Dr. E. R. Sears

\$10,000 award to Dr. Sears

Dr. Ernest R. Sears, research associate in field crops at the University, has won the \$10,000 Hoblietzelle Award in recognition of a rust-resistant wheat. The presentation was made May 21 at the Texas Research Foundation, Renner, Texas.

This is the second time in seven years that the national award has gone to a Missouri faculty member. Dr. C. E. Marshall, professor of soils, was the recipient in 1951.

Dr. Sears, United States Department of Agriculture geneticist assigned to the University, transferred a hereditary leaf-rust resistance of a wild grass to wheat. According to C. L. Lundell, director of the Texas Research Foundation, the achievement "means tremendous savings to the nation's wheat growers when adapted varieties of rust-resistant wheat become available for commercial production."

Dr. Sears has been in genetics work at M.U. since 1936. He is a graduate of Oregon State College and Harvard University. The Hoblietzelle Award is made annually to a scientist or team of scientists who, during the four preceding years, are credited with making the most outstanding contribution to American agriculture through scientific research.

General Forsee honored

Brigadier General James H. Forsee, Army Medical Corps, received the Citation of Merit from the University Alumni Association at the Medical Alumni Luncheon of the Missouri State Medical Association on April 15. The presentation was made at the Sheraton-Jefferson Hotel in St. Louis by Dr. Frank G. Mays, president of the Medical Alumni Association.

General Forsee is Chief of the Department of Surgery and Chief of Professional Service at Walter Reed Army Hospital in Washington, D. C. From March, 1956 until March, 1957 the General was Chief Surgical Consultant to the Army Surgeon General in Washington.

General Forsee received his Bachelor of Arts and his Bachelor of Science degrees from the University in 1926 and 1927, respectively. He received his M.D. degree from Washington University of St. Louis in 1929, after which he entered the Army Medical Service.

During his first year of Army duty the General served as an intern at Fitzsimons Army Hospital, Denver, and later was on the hospital's medical and surgical staffs until 1935.

In 1936 General Forsee began a two-year duty tour at Tripler Army Hospital in Hawaii. During World War II he was commanding officer of the Second Auxiliary Surgical Group which saw duty in Africa, Sicily, Italy, France and Germany. Returning to the United States in 1946, he was again assigned to Fitzsimons as Chief of Surgery, a post he held until 1953 when he became Chief Surgical Consultant to the Far East Command.

Among General Forsee's awards are the Legion of Merit (for World War II assigned to the Second Auxiliary Surgical Group); the Oak Leaf Cluster for his Japanese and Korean duty; eleven battle stars; the Medal of Valor from the Italian Government; the Sternberg Medal for outstanding achievement during his attendance at the Army Medical School course; and the Skinner Medal, awarded upon completion of the Army Medical Field Service School course at Fort Sam Houston, Texas, in 1935.

General Forsee is the author of numerous professional articles on thoracic and pulmonary tuberculosis. He is the author of "The Surgical Treatment of Pulmonary Tuberculosis," published in 1954 by Lea and Febiger of Philadelphia.

Memberships include American Medical Association, American College of Physicians, American College of Surgeons, American Association for Thoracic Surgery, Western Surgical Association, Denver Academy of Surgery, Association of Military Surgeons and Alpha Kappa medical fraternity.

General Forsee is married to the former Miss Dorothy Albright. Their son, James Jr., is a student at Brown University. The Forsees live at 5207 Falmouth Rd., Westmoreland Hills, Washington, D. C.

General Forsee was born in Hallsville, Missouri, in 1905. Many Columbia residents remember him from



The Citation of Merit is presented by Dr. Frank G. Mays, Medical School Alumni president, to Brig. Gen. James H. Forsee, Washington, D. C.

his student days when he was employed at the J. E. Gillaspie Drug Store on Broadway at Eighth. He worked there eight years, first as soda jerker, then clerk and pharmacist. He also worked as a paper carrier and got out the mail edition of the *Columbia Tribune*. Later he became an orderly at the Boone County Hospital.

In his acceptance remarks after presentation of the Citation of Merit by Dr. Mays, General Forsee recalled that "as long as I can remember it was my hope and the cherished desire of my mother that I might attend this great University." Looking back on the variety of jobs he held, some of them simultaneously, the General said "work is the essence of necessity and one who experiences such a necessity while young may really be fortunate." He also paid tribute to Leslie Cowan, Vice-President Emeritus of the University, who "lent me the money which enabled me to complete the last two years of medical school at Washington University."

The second issue of *Midlands Magazine*, the new literary magazine of the University, recently went on sale at local news stands. The magazine contains seven short stories by University students, as well as several poems and a critical article on the writing of Flannery O'Connor. The first issue appeared last November and sold out a press run of 750 copies. The magazine, which sells for 35 cents a copy, is edited by Bob Williams. The current issue has a wrap-around cover photograph by Steve Toth, M.U. sophomore.

New dean of law

Covington of Arkansas named to succeed McCleary, who returns to full-time teaching.

Dr. Glenn A. McCleary, dean of the School of Law at the University, has asked that he be relieved of his duties as dean at the close of the current academic year to devote his full time to teaching.

President Ellis said Dr. McCleary will remain on the faculty as professor of law, and that the Board of Curators authorized the appointment of Dr. Joe E. Covington, now dean of the School of Law at the University of Arkansas, to be the new dean here.

President Ellis said Dean McCleary had requested almost a year ago that he be allowed to relinquish his deanship. Since that time Dean McCleary has been assisting him and the law faculty in selecting possible candidates for a replacement and interviewing them personally.

"We are indeed sorry to lose the services of Dr. McCleary as a dean," Dr. Ellis said. "He has done an excellent administrative job since he assumed that responsibility here nineteen years ago, and our School of Law ranks as one of the finest in the Nation. But we are also fortunate that he has agreed to remain on the faculty and will continue to give the students the benefits of his fine teaching and research experience.

"The University is also extremely fortunate in getting a man of Dr. Covington's stature to assume the post here. He has an excellent background both in his education and his administrative experience, and comes with the highest recommendations.

"Although only 47 years old, Dr. Covington has served as Provost and as Acting President of the University of Arkansas on two occasions, in addition to his experience there as acting dean and dean and as executive assistant to the president, and we look forward to having him as a member of the University's administrative staff."

Dean McCleary joined the faculty of the University as an associate professor of law in 1929, coming here from the University of North Dakota faculty. He was made professor of law in 1931, and was named acting dean in 1939 and appointed dean the following year. His appointment as dean included the provision that he could retire to a full professorship at any time he wished.

"I had in mind when I accepted the appointment as dean that I would give it up in five or six years," Dean McCleary said, "and return to my chief interest—classroom teaching. I have been dean for more than eighteen years, and I feel that I should turn the increasing responsibilities of that office over to a younger man." Dr. McCleary has served as dean longer than any other dean in the history of the School of Law here.

Dean McCleary has continued to carry almost a

full teaching load while serving as dean. He said he thoroughly enjoys teaching, and wants to devote his remaining years to that task.

Dean Covington is a native of Nashville, Ark. He attended Southern State College at Magnolia, and Henderson State Teachers College at Arkadelphia. Going then to the University of Arkansas, he received his A.B. degree in 1932 with a major in history.

After several years as high school teacher and then as superintendent of schools, he returned to the University of Arkansas in 1938 to study law. He received his LL.B. degree in 1940, having also studied law for two summers at the University of Texas. He took post-graduate study as a Research Fellow at Harvard University, receiving an LL.M. degree in 1941, and the Doctor of Juridical Science degree in 1952.

After receiving his master's degree, Covington returned to the University of Arkansas as assistant professor of law in 1941. He was given leave of absence for military service during World War II (with the Air Force in the Far East and South Pacific), and returned in 1946 to the University as associate professor.

He was named Executive Assistant to the President and Professor of Law in 1948, and was made Provost of the University in 1951, and Provost and Acting Dean of Law in 1952-53. He was Acting President for the year 1951-52 and again in the spring of 1954.

Dr. Covington was appointed Dean of the School of Law in 1954.

He and Mrs. Covington have one son, aged 11.

DONNELL RECEIVES CITATION

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man of the St. Louis World Court Commission.

Mr. Donnell is a member of the American Bar Association, in which he has served on various committees. He was a member of the Association's first House of Delegates. He is also a member of the Missouri Bar, the American Law Institute, the Association of the Bar of the City of New York, and the Bar Association of St. Louis. He holds membership in Phi Beta Kappa, Phi Delta Phi, and Order of the Coif. Mr. Donnell, a thirty-third degree Mason, is Past Grand Master of the Grand Lodge of Missouri. He is a former Deputy for Missouri of Scottish Rite.

Mr. Donnell has served as president of the University of Missouri Alumni Association and of the M. U. Alumni Association of St. Louis.

Mrs. Donnell, the former Miss Hilda Hays, is credited by her husband for helping him to remember thousands of first names throughout the state during his campaigns for governor and senator. They were married in 1913. They have a daughter, Ruth, who is Mrs. Boyd Rogers, Webster Groves, Mo.; and a son, John Lanier Donnell, a member of the law firm of Donnell, Schoenbeck and Donnell. Mrs. Rogers is a 1936 graduate of De Pauw University. John Donnell was graduated from Harvard and received his law degree in 1943 from Washington University of St. Louis.

Stapel cited for service

John C. Stapel, president of the Farmers' Mutual Hail Insurance Company and secretary of the Farmers' Mutual Windstorm Company of Columbia, received the University of Missouri Alumni Association Citation of Merit during Journalism Week.

Making the presentation was John Colt, managing editor of the Kansas City Star and 1978-79 president of the Journalism Alumni Association. The ceremony took place at the annual meeting of the Journalism Alumni. The award to Stapel was made for his "years of unrecognized work for the School of Journalism and for his achievements in other areas of endeavor."

Stapel received a B.J. degree from the University in 1915. He was active in forming the Missouriian Publishing Company, now the University Missouriian Association, Inc., and became its first president in 1928. He has served many years on the board of directors and is president of the executive board.

President of the Missouri Press Association in 1938, Stapel has been publisher of the Atchison County Mail, Rock Port, and president of the Northwest Missouri Press Association.

New president of the Journalism Alumni Association is Frank H. King, B.J. '17, AP executive, Dallas. Other officers elected at the thirty-sixth annual meeting are: Joe Alex Morris of Guilford, Conn., vice-president; Mrs. Hilary Bush, 4221 East 87th Street, Kansas City 30, Mo., secretary; and Henry A. Bodendieck, 912 Baltimore, Kansas City, treasurer.

The following were named area vice-presidents for the coming year: John de Lorenzi, King Features, New York City; Everett Norlander, Chicago Daily News; Millard Cope, News-Messenger, Marshall, Tex.; Bob Broeg, St. Louis Post-Dispatch; Ken Davis, AP bureau chief, New Orleans; Mrs. James Caudle, Columbia, Mo.; George Sisler, Ashland (Ky.) Oil & Refining Company; Lee Groves of Groves-Keen, Inc., 157 Cain St. N.W. at Luckie, Atlanta, Ga.; Harry W. Smith, the Altadenian, Box 247, Altadena, Calif.; Herbert F. Thies, 2470 So. St. Paul, Denver; William Tisdell, Boston Globe; George H. Miller, University of Florida, Gainesville; Wallace Turner, Portland Oregonian; Ralph H. Turner, Temple City (Calif.) Times.

Miss Erma Young, women's editor of the Kansas City Star, was chosen as the School of Journalism's representative on the University Alumni Association board of directors.

Dean Emeritus Frank L. Mott inducted officers of the 1958 journalism graduating class into the alumni association as symbolic of the entire class.

Morris Jacobs, Omaha, general chairman of the School's 50th anniversary activities, discussed the world-wide importance of the observance. Other reports were made by Prof. Frank Rucker, on the Columbia Missouriian; Jack Hackethorn of Columbia, as the 1957-58 representative to the University Alumni Association; Dr. Earl F. English, dean of the School of



John Stapel (left) receiving award from retiring Journalism alumni president, John Colt.

Journalism; and Sam Montague, executive director of the anniversary celebration.

The retiring president, John Colt, presided at the meeting and read a resolution in remembrance of Miss Flora Holtman, journalism faculty member, expressing appreciation for her work as secretary of the alumni group and for other activities.

Truman to be speaker

Former President Harry S. Truman will be the featured speaker at a Celebrity Luncheon of the Advertising Club of New York in New York next September honoring the University of Missouri School of Journalism on its 50th Anniversary.

Charles Green, secretary of the New York Advertising Club, has announced that President Truman has accepted an invitation to speak at the special luncheon of noted journalists celebrating the founding of the world's first school of journalism at his own State University.

Mr. Green said that University President Elmer Ellis, Journalism Dean Earl F. English, Morris Jacobs of Omaha, Neb., chairman of the 50th Anniversary Committee, and F. M. (Jack) Flynn, president of the New York Daily News and chairman of the finance committee for the anniversary celebration, will also be among the honor guests at the luncheon.

He said arrangements for Mr. Truman's appearance at the Celebrity Luncheon were suggested and made by Irwin Vladimir, president of Gotham-Vladimir Advertising, Inc., and John Crichton, editor of *Advertising Age*. Both Vladimir and Crichton are alumni of the School of Journalism.

Beginning in August the University will celebrate the 50th anniversary of the founding of its School of Journalism. The entire program, which will run into May of 1959, will be directed toward the theme of "A Stronger Free Press for a Better Free World" and the profession of journalism.

Law alumni name Andrae

Henry Andrae of Jefferson City, LL.B. '37, was elected president of the Law Alumni Association of the University at a meeting during Law School Day last month. He succeeds William Beckett of Columbia, who was named law representative to the University Alumni Association board of directors.

Other law alumni officers include Gerald Rowan of Cape Girardeau, Samuel Semple of Moberly, and Paul Hess of Macon, vice-presidents; and Robert Seiler of Joplin, secretary-treasurer.

The Law Foundation also elected officers. James A. Finch, Jr. of Cape Girardeau was chosen president; David Handy of Kansas City and Richard J., Chamier of Moberly, vice-presidents; Marion Francis of St. Louis, secretary; and R. B. Price of Columbia, treasurer.

New trustees elected for three-year terms are: Judge Roy W. Harper, St. Louis; Judge Elmo Hunter, Kansas City; Flavius B. Freeman, Springfield; James A. Potter, Jefferson City; James A. Finch, Jr., Cape Girardeau; John Oliver, Kansas City, who will fill the unexpired term of the late Robert Eastin of Kansas City; and Frank Edwards, Mexico, who will finish the unexpired term of the late Latney Barnes, Mexico.

Taylor scholarship fund

The Alumni Association board of directors recently voted to give sole custody of a scholarship fund to the University's Board of Curators. The fund, estimated at about \$50,000, is a bequest from the estate of the late William Louis Taylor of Fulton, Mo., whose will listed both the University and the association as legatee. The action of the directors in declining to accept the trusteeship created under the will was a formality to clear the way for the University to handle the bequest through its long established facilities.

Mr. Taylor, who died last year, received a B.S. in Agriculture degree from the University in 1917 and an A.M. degree in 1931.

In other action at its spring meeting, the alumni board voted to extend eligibility for the association's scholarship program to promising sophomores from all the states. Thirty Missouri students received the scholarships last year, and 31 awards have been set up for this year. Funds for the scholarships are provided by contributions from alumni throughout the country.

The directors also decided to study the possibility of a definite plan for associate and honorary memberships in the association.

The University's experimental Thompson Farm near Spickard in Grundy County will be dedicated at 1:30 p. m. June 20. The farm was given to the University for use by the College of Agriculture by the late Dr. George Drury of Trenton.

They remember Dr. Mehl

More than 100 persons attended a dinner in Memorial Student Union May 10 given by faculty and students of the department of geology of the University in honor of Dr. M. G. Mehl, professor of geology, who is retiring from full time teaching.

Dr. Raymond E. Peck, chairman of the department, presided at the dinner, and Dr. W. F. Bailey of Tulsa, Okla., presented Dr. Mehl with a check representing contributions from faculty, students, and alumni who asked that Dr. Mehl use the funds to air-condition his home in Eastwood Hills. Dr. Mehl also received a bound volume of letters and greetings from former students and friends.

Dr. Peck also announced receipt of a check for \$100 from Edgar W. Owen of San Antonio, Texas, a consulting geologist who received his master's degree here, who asked that books for the geology library or some piece of laboratory equipment be purchased in honor of Dr. Mehl. Owen was a student of Dr. Mehl's at Denison (Tex.) University before enrolling here.

Speakers at the dinner who gave brief accounts (sometimes humorous) of their contacts with Dr. Mehl included: Dean W. Francis English of the College of Arts and Science; Dr. Clayton H. Johnson, associate professor of geology; Dr. C. J. Roy, chairman of the department of geology at Iowa State College; and Dr. Willard F. Bailey of Tulsa, Okla.

Dr. Mehl has been teaching at the University since 1919, when he came here as an instructor in geology. He has also taught at Chicago University, the University of Wisconsin, the University of Oklahoma, and Denison University before coming here. Dr. Mehl received his B.S. and Ph.D. degrees at the University of Chicago, the latter in 1914.

Through the years Dr. Mehl has also gained a measure of local fame through his acting ability, having appeared in numerous dramatic productions.



At the dinner in his honor, Dr. M. G. Mehl enjoys a chuckle as Mrs. Mehl looks on.

Good program at K. C.

Governor Blair and President Ellis are among the guests.

Kansas City's third annual All School Reunion was a third annual big success. Though the crowd was a little smaller than the 700 plus of previous years because of a number of direct conflicts on the later-than-usual Saturday May 3 date, the program was the best yet; and the dancing afterward was a particularly welcome addition.

The hour-long program included a tribute to the Governor and the Legislature by University President Elmer Ellis, a pledge of continued service to the University by Governor James T. Blair, an entertaining preview of next season's prospects by new head football coach Dan Devine, introductions of visiting journalism dignitaries by Journalism Dean Earl English, and an interesting account of his journalistic adventures by Westbrook Van Voorhis, news commentator for the Mutual Broadcasting System, who became famous as the long-time narrator of the *March of Time*.

Kansas City Alumni President Norm White presided at the meeting, and he made a big hit with the crowd with his anecdotes about each of the dignitaries at the head table. Don Harris and Mrs. Harold Springmeyer were the co-chairmen of the banquet, which is annually the biggest gathering of Missouri Alumni in the country. Mrs. J. W. Dick Peddie, Jr. in charge of ticket sales and Miss Virginia Porth in charge of reservations, also did yeowomen service.

Devine speaks at Chillicothe

On Tuesday May 6 Dan Devine was the principal speaker at a District II alumni meeting in Chillicothe. The evening dinner meeting at the Chillicothe Country Club was one of the best attended of the series of district meetings this winter and spring. It had been originally scheduled for Tuesday February 19, and it was feared that the postponement might hurt the attendance. However, the host Livingston County Alumni Club in the persons of Banquet Chairman June Morgan, Athletic Advisory Committee Member Allen Moore and Publicity Chairman Charles Watkins all did a wonderful job of publicizing and promoting the meeting. An overflow crowd of 150 plus taxed the facilities of the club.

The county alumni presidents at the meeting elected J. Gordon Blackmore of Trenton to succeed Willis W. Alexander as district representative to the Alumni Association Board of Directors.

Devine reported on the just-completed spring practice and the prospects for the coming season. He also showed some football highlight films. Athletic Director Don Faurot substituted for President Elmer Ellis, who was out of the state, and gave a thorough report on the expansion program at the University.

Cleveland's Hinkson Ball

According to all who attended the first annual Hinkson Ball, it was a huge success, and the first of many to come.

The dance was the brain child of Cleveland public relations man Frank Muth, who is also the president of the large and active Cleveland Alumni Club. Realizing that it was too big a job to tackle alone, Bachelor Frank used his Stephens College contacts past and present to promote the idea of joint sponsorship of the event. Besides, he said, they know as much about the Hinkson as any Missouri graduate.

On the strength of a really classic job of newspaper promotion and persistent personal efforts of Secretary Vi Hitti of the Missouri Club along with active help by many other Tigers and Susies, a crowd of seventy-five showed up for the fancy dress affair at the Cleveland Athletic Club.

All reports predict a bigger and better affair next year and, given a few more years, the event promises to be a real highlight of the Cleveland social season.

Stamp collectors' treat

Campus scenes, symbols representing all communications media, and a picture of Thomas Jefferson will be a part of the official first day cachet for the stamp honoring journalism and freedom of the press to be issued on the occasion of the 50th anniversary of the University of Missouri School of Journalism.

Earl F. English, Dean of the School, announces that the cachet will be available only from the School; and that in addition to the special stamp, the first

day cover will bear a black and gold steel engraved design, or cachet. The cachet and cancelled stamp are intended to be of interest to collectors.

Covers purchased will be mailed by the School from Columbia, Mo., on Sept. 22, 1958, the first day of issue of the special stamp. The unit cost of 20 cents will include the official cover, commemorative stamp, and addressing and mailing of the cover.

Robert W. Haverfield, assistant professor of journalism, is in charge of sales. He said that a special enclosure telling the history of the School will be included with each unit. The final design of the stamp will be chosen from 45 designs submitted.

Checks for orders of the stamp and cover unit should be made payable to "50th Anniversary Stamp Fund," said Haverfield.



class notes

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A. R. ALEXANDER, Judge of probate and magistrate courts in Clinton County, at 98 continues his legal work in Plattsburg, Mo. Judge Alexander became a lawyer in the days when circuit judges authorized candidates who proved worthy, and in 1923 he began his law practice in Plattsburg. The citizens of that area believe he is the senior active county judge in the United States. Judge and Mrs. Alexander observed their 62nd wedding anniversary this last year.

04

Miss CALLA E. VARNER, AB, former teacher and high school principal of St. Joseph, Mo., on April 28 was honored in Washington, D. C. by the United States Chamber of Commerce as one of seven "Great Living Americans." The ceremony was a feature of the Chamber's 46th annual meeting. The awards, begun last year, are made to American citizens "who . . . have made notable contributions to human progress." Miss Varner's citation states, in part, that "she is a symbol of the teaching profession which so richly deserves the honor and respect of all persons." Miss Varner joined the teaching staff in St. Joseph, in 1912, and for the last twenty years of her teaching career was the principal of Central High School. She retired in 1944, and since that time, has developed a course for adults, the Great Books Group, along with her many other interests. The Great Books Group has recently pledged donations totaling \$1,000 as an initial endowment for a fund to be named for Miss Varner. This fund will aid in the education of deserving high school graduates. Miss Varner was born on a farm near Union Star, Mo., but since 1912 has lived in St. Joseph, where her home is 2120 Faraon.

07

LOUIS H. WINKLER, BS ME, ME '09, veteran engineering expert, was recognized in an article in "The Iron Age" as the "Dean of metallurgical engineers from Bethlehem Steel Company." Mr. Winkler, born in Carthage, Mo., went to Johnstown, Pa. after his graduation, and has been employed in the development of metal products since that time. He has been active for many years with the American Society for Testing Materials and with the American Iron and Steel Institute. Mr. and Mrs. Winkler live at 715 Beverly Ave., Bethlehem, Pa. Their two sons, Louis Winkler, Jr., a practicing physician, and Theodor Winkler, an engineer with Bethlehem Steel, reside in Bethlehem also.

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ORSINO C. SMITH, AB, AM '14, better known as O.C., is a retired petroleum and chemical technologist, after being superin-



Miss Calla Varner, '04

tendent of a petroleum refinery for 33 years. Mr. and Mrs. Smith, who have two sons and two daughters make their home at 5157 Santa Ana Street, Bell, Calif. Mrs. Smith was BLANCHE WHITAKER, '10. Mr. Smith is a fellow of the Southern California Academy of Sciences and is listed in Who's Who in the West. He is the author of three books pertaining to minerals and is a past president of the Los Angeles Mineralogical Society and of the Pacific Mineral Society. He is a charter member of the Los Angeles Lapidary Society. His present activities, along with his books and professional interests, are with blowpipe kits, chemical kits and flame analysers. The Smiths have promised to attend our Reunions in June, in spirit if not in actuality.

MATTIE F. REDFORD, BS Ed., lives at Holden, Mo.

LOUIS A. PECHSTEIN, BS Ed., and Mrs. Pechstein, who was CHLOE HARLAN, are presently on a trip around the world. They began their journey in September, 1957, and plan to return home in November, 1958. They have spent five weeks in Tokyo, three in Kobe, three in Singapore, and have toured Thailand, Ceylon, India, Kashmir and other places. Dr. Pechstein is retired as a dean emeritus of education, University of Cincinnati. Their home is 1321 Michigan Ave., Cincinnati 8, Ohio.

13

FERN RUSK Shapley, AB, AM '14, Ph.D. '16, assistant chief curator of the National Gallery of Art, Washington, D. C., represented the University at the inauguration of William J. McDonald as rector of the Catholic University of America,

Washington, D. C., last April. Dr. Shapley lives at 326 A. Street, S. E., Washington, D. C.

WILLIAM DALTON DAVIS, AB, AM '14, assistant chief, medical and health services of California, represented the University at the inauguration of Glenn S. Dumke as president of San Francisco State College in May. Dr. Davis is a rear admiral, retired, in the United States Marine Corps and lives at 1369 Hyde St., San Francisco, Calif.

14

HOMER M. TICKLE, BS EE, vice president and controller of Southern Company, Commonwealth and Southern Corporation, Birmingham, Ala., represented the University at the inauguration of Henry K. Stanford as president of Birmingham-Southern College on April 11. Mr. Tickle lives at 900 Conroy Road, Birmingham.

Dr. ROY R. HALEY, AB, continues to practice in the San Diego area and lives at 4360 Seventh St., La Mesa, Calif.

ROY ELLIS, AB, BS ED., president of Southwest Missouri State College in Springfield for the past 32 years, has been unanimously chosen to continue in that position for another three years by the Board of Regents. Although Dr. Ellis has recently reached the age of 70, at which age all personnel must come up for consideration by the board for continuance of their services, he was asked to continue, especially in view of the building program underway on the campus. This program, costing more than 33 million dollars, consists of six buildings. This includes a fine arts building, a men's dormitory, a class room building, a practical arts building, and additional wings to the women's dormitory. Dr. Ellis, who was born on a farm on the Webster-Wright county line near Seymour, Mo., took his advanced academic work at Harvard and Columbia universities. He was acting president of SMS a year before becoming president in 1927 and is believed to have the longest tenure of any college president in the United States. His connection with the college began when he enrolled as a student there in 1909, and he taught there a number of years before becoming president. Dr. Ellis has watched the construction of virtually all the buildings on the campus. Mrs. Ellis was formerly Frances Nations. Their son, Dr. DAVID ELLIS, AB '46, AM '48, PH.D. '50, heads the research organization of the Lytton Industries in Los Angeles. Their daughter, MARY ELLIS Riedel, M.Ed. '42, is Mrs. MARK T. RIEDEL, AM '36, of 210 S. Edgewood, La Grange, Ill. Dr. and Mrs. Roy Ellis live at 650 S. National in Springfield, Mo.

16 EUGENE S. BRIGGS, BS Ed., AM '23, is president of Phillips University in Enid, Oklahoma. Dr. Briggs is a former president of Christian College in Columbia. In St. Louis he was speaker at the sixth annual breakfast of the Grand Masters of the Masonic Order of Missouri in May, of which organization his brother, FRANK P. BRIGGS, BJ, of Macon, Mo., is Grand Master. Mrs. Eugene Briggs is the former MARY BETTIE GENTRY. Their home is 2201 E. Main St., Enid.

RUSH H. LIMBAUGH, AB, is the senior partner of the law offices of Limbaugh & Limbaugh, 102 North Main St., Cape Girardeau, Mo. Other members of the law firm are RUSH H. LIMBAUGH, Jr., AB '38, LLB '41; STEPHEN N. LIMBAUGH, LLB '51, and JOSEPH J. RUSSELL, LLB '49. Mrs. Stephen Limbaugh is the former DEVAUGHN A. MESPLAY, BS Ed. '51 and Mrs. Joseph Russell formerly was HERTHA E. CLITHERIO, BS Ed. '50. Mr. Limbaugh, Sr., in a recent letter to the campus, recalls the Athenaeum Society, "of which we boasted years ago as the oldest student organization west of the Mississippi River." He was interested in knowing that the Stephens Oratorical Contest was still being held and that the Medals are still being awarded. Mr. Limbaugh was a winner in 1915.

JOHN D. FEHSENFELD, BS Agr., of Troy, Mo. in March was reelected president of the National Live Stock Producers Marketing Association at their annual meeting held in Chicago.

HAROLD G. NEWMAN, BS Agr., a practicing physician at 901 Beaumont Medical Building in St. Louis, Mo., retired on April first and will make his home in Ocean Springs, Miss. For the present his address remains 5 Lindworth Lane, St. Louis 17.

19 KENNETH K. KING, BS ME, is director of public works at Phoenix, Ariz., with offices in the City Hall.

SAMUEL G. FUQUA, Rear Adm. U.S.N. (retired) is an instructor at the Fork Union Military Academy at Fork Union, Va. After leaving the University he was graduated from the U. S. Naval Academy in 1923 and was commissioned an ensign. For a period of thirty years he served in all ranks of the U. S. Navy, and was retired in July, 1953. Adm. Fuqua then attended Stanford University and received his master's degree in political science in June, 1957. Since last September he has been with the Military Academy at Fork Union. His address is now P. O. Box 94, Palmyra, Va.

20 JOHN D. ADAMS, BS EE, general secretary of the Greater Des Moines Chamber of Commerce, was elected president of the American Industrial Development Council at the Convention held in Atlanta, Georgia, earlier this spring. This is an organization of some 700 industrial development men from chambers of commerce, states, cities, railroads, utilities, banks and from industries. Mr. Adams was president of the National Association of Commerce Organization Secretaries in 1940-41 and has held every office in each of these organizations. Mrs. Adams is the former Laura Wharton. Their daughter, JANE, is a faculty member at Columbia University in New York City. She is a graduate of Christian College, a former student at the University, holds two AM degrees, (Columbia and New York Universities) and is finishing her work for a Ph.D. degree from Columbia. The Adams home is 6115 Harwood Drive, Des Moines 12, Iowa.

VICTOR J. HINTON, BS BA, is owner-manager of the Joplin Granite Company, Joplin, Mo., at 15th Street just two blocks west of Highway 71 between Kansas City and Tulsa. Mr. and Mrs. Hinton have two children, Charles, in junior high, and Celia, in sixth grade. Their home is 2802 East 15th Street in Joplin.

22 VERDA FARRAR, a missionary for 32 years, has recently visited her home town and her mother, Mrs. Emma C. Farrar of Advance, Mo. Miss Farrar is principal of Isabela Hendrix College, a Methodist school for girls at Belo Horizonte, Brazil. She went there in 1926 as a teacher of English and religious education and was promoted to principal in 1941. Plans are under way for a chapel to be built at the School and which will be named for Miss Farrar.

L. D. POTTER, LLB, of Potter and Smith, has his law offices at 425 Main Street, Racine, Wis. Mr. Potter sent his best wishes to the campus in the interest of the 108th Stephens Oratorical contest in March, and, we quote: "Speech is and should be a must, in my humble opinion, for all who attempt to gain an education. A proper assembling of facts, material and their presentation, is just as important today as it has ever been . . ." Mr. Potter was a winner of the Stephens Oratory Medal in 1922.

25 DAVID F. VOTAW, AM, who began his teaching career in the rural schools of Texas County, Mo., will retire from teaching this year after 33 years with Southwest Texas College. Dr. Votaw received his

BS degree from Southwest State College in Springfield, Mo., and in 1932 received his D. Ed. degree from Leland Stanford University. He was superintendent of schools in Ava, Mo., from 1918 to 1925. Dr. Votaw is nationally known for his work in educational tests and measurements and is the author of numerous articles and publications. He is listed in "Who's Who in American Education" and "Who Knows—And What." He plans to spend the next few years completing additional forms of his High School Fundamental Evaluation Test and revising the Gray-Votaw-Rogers Test. Dr. Votaw's address is Box 587, San Marcos, Texas.

ARTHUR D. BOND, AB, and Mrs. Bond, who was ELIZABETH C. GREEN, AB '24, are enjoying a world tour, with a stop off in Honolulu and Tokyo, where they visited their son, Lt. Arthur D. Bond, Jr., of the U. S. Air Force. The Bond home is 14 S. Jefferson Road, Mexico, Mo.

HELEN HULING BARRINGTON, BS Ed., is an elementary teacher in the schools of Los Angeles. Mrs. Barrington is planning a vacation trip to Missouri this summer and promises to stop by Columbia. Mrs. Barrington lives at 1963 Casa Grande, Pasadena, Calif.

Mrs. H. E. Scurlock, formerly RUTH REBECCA JONES, AB, of Columbia was named "Woman of the Year" by Theta Sigma Phi honorary fraternity at their annual Matrix Table dinner in April. Mrs. Scurlock was recognized because of her activities with Family Week of the Cosmopolitan Club, Girl Scouts, Red Cross, Heart Association, Cancer Society and other community and church activities. Her husband, HARRY E. SCURLOCK, '21, is owner-operator of Scurlock Transfer and Storage Company in Columbia, and their home is 9 Wayne Road. Mr. and Mrs. Scurlock spent the month of February this year on a tour of Europe, visiting England, France, and Italy. They were among the first Americans of the year to make a pilgrimage to the shrine of the Blessed Virgin of St. Bernadette at Lourdes, France. The Scurlock's have one daughter, RUTH ANN, '52, who is Mrs. Charles C. Bledsoe, Jr., of 513 Lyons St. in Columbia. They have five grandchildren.

24 TILGHMAN CLOUD, BJ, is described in a recent feature story in the St. Louis Post-Dispatch as the "Country Editor with a Citified Air." Mr. Cloud is co-editor, with his brother Fred, of the Pleasant Hill Times, which is recognized as one of Missouri's outstanding weeklies, and is frequently quoted by the metropolitan press. His father, Roy Cloud, bought this

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paper in 1901 and the sons have continued in its publication. Mr. Cloud is an advocate of the unicameral legislature for Missouri, and has devoted space and time to this interest. His paper covers a scope "from backyard fences . . . to the atomic age." Mrs. Cloud is the former RIVA E. HESLAR, '31. Their home address is 26 N. Taylor, Pleasant Hill, Mo.

NATHAN E. JACOBS, BJ, president of Bozell & Jacobs, Inc., has been elected a member of the Board of Governors of the Chicago Council of the American Association of Advertising Agencies. Mr. Jacobs lives at 323 Hawthorne Ave., Glencoe, Ill.

26 JULIAN A. JOHNSON, BS Agr., this year received one of the Kansas Master Teacher Awards, presented for his 31 years of outstanding service as a teacher of vocational agriculture, 21 of which were at Buhler, Kan. These awards are presented annually to seven teachers of the state who typify the good qualities of the vast body of earnest and conscientious teachers. Mr. Johnson graduated from high school in New London, Mo., and received an M.S. degree in vocational Agricultural Education from Kansas State College in 1940. Active in church and civic affairs, as well as in professional work, Mr. Johnson was a member of the Buhler City Council for six years. He belongs to a large number of honorary and professional groups and has held offices in many of them.

Mr. and Mrs. Don Swofford have been living in Honduras for the past 25 years, where they recently celebrated their silver wedding anniversary at their home in Progreso. Mrs. Swofford is the former LOUISE NOWELL, BS Ed. '26, and is the principal of the Progreso American School. Mr. Swofford is the assistant superintendent of agriculture, and worked in the Honduras division several years before he was married. They have three daughters, Peggy, Jean and Sally, who are in college and high school. A son, Dudley, is a graduate of Texas A. & M. and is now serving in the U. S. Air Force. Their address is c/o Tela Railroad Company, Progreso Honduras, Central America.

27 H. PALMER RICKETTS, BS CE, is a sanitary engineer with Fromherz Engineers, New Orleans. His mailing address is 60 Neron Place, New Orleans 18, La.

Mrs. PEARL HALEY PATRICK spent one year on the campus as a special student in the School of Journalism and has recently had published her first book, "O'po of the Omaha." The story

of an Indian boy of the Omaha tribe, this book is written for supplementary reading in the elementary grades and tells of the Omaha way of life in the early 1850's. Mrs. Patrick began her writings during the years of the old "Youth's Companion," and has had short stories, serials, features, trade stories and verse appear in many publications. She spent seven years from 1943 to 1950 in Washington, D. C., working and doing research in the Library of Congress, gathering material for this book, and more, and plans to continue her writing, although nearly 75 years of age. She makes her home at 4147 Clark in Kansas City, Mo., but a part of her time is devoted to her daughter, Mrs. Allen Murray, and family in Newton, Iowa. Mr. and Mrs. Murray have two daughters who are students at Iowa State College and a son, Charles, in high school.

28 W. F. JAMES, BS Agr., extension agent of Pemiscot County for many years, is currently president of the Missouri Association of County Agricultural Agents. His headquarters are in Caruthersville and his home at 116 West 7th Street there.

BLANTON E. RUSSELL, currently manager of the VA Hospital at Cincinnati, O., has been appointed manager of the Veterans Administration Hospital at Omaha, Neb. Both are 500-bed general medical and surgical hospitals. A native of East Prairie, Mo., Dr. Russell joined the Regional Office medical staff following separation from military service in 1946 and in 1948 was transferred to the St. Louis Branch office. From there he went to the VA Center in Martinsburg, W. Va., as chief medical officer, where he served for several years before going to Cincinnati. He received his M.D. degree from the University of Louisville in '30.

ELMER S. REHAGEN, BS Eng., is district manager for Westinghouse Electric Corporation, and lives at 3705 Rawnsdale Road, Cleveland 22, Ohio. He has recently been elected president of the Electrical League of Cleveland, which represents about 300 concerns in that area. Mr. and Mrs. Rehagen have two granddaughters, Anna Marie in Monterey, Calif., and Kim Marie in St. Louis.

Mrs. Fred V. Heinkel, who was DOROTHY HART, BS Ed., was chosen a trustee of Christian College in Columbia during Homecoming activities held in May. Mrs. Heinkel has lived in Columbia since 1927 and for many years has been organist of the First Baptist Church here. Mr. Heinkel, president of Missouri Farmers Association, is a member of the Board of Curators of the University. Their home in Columbia is 208 East Parkway Drive.

29 C. J. BURGER, AM, superintendent of schools at Washington, Mo., for the past 28 years, has been re-elected to the same position. Prior to his service in Washington, he was connected with Missouri schools in Maryville, Hannibal, Joplin and Huntsville as a classroom teacher, principal or superintendent.

ROY E. BUREN, AM, has been in the antiques business for the past 20 years at Terre Haute, Indiana. His address is 319 S. 3rd, Terre Haute.

SYDNEY BRESSLER, AB, BS Med. '30, surgeon, has a private practice of general and thoracic surgery in New York City and is an assistant professor of surgery in the New York Medical College. Dr. Bressler is a fellow of the American College of Surgeons and a diplomate of the American Board of Surgery and the Board of Thoracic Surgery. He is a commanding officer, with the rank of colonel, of the 320th General Hospital, a reserve unit of the U. S. Army. Dr. and Mrs. Bressler have one son. The address is 233 W. 83rd St., New York 24, N. Y.

30 MARSHALL CRAIG, AB, LLB '32, is judge of the 28th Judicial Circuit and lives in Sikeston, Mo. Mrs. Craig is the former Katherine Hudspeth. Their children are Michael H. and Nancy Susan.

RALPH BEDELL, AM, Ph.D. '32, has recently returned to the U. S. Office of Education where he is Specialist for Higher Education programs. For the last three years Dr. Bedell has been on leave of absence to serve as the Secretary-General of the South Pacific Commission, an intergovernmental organization which includes Australia, France, Netherlands, New Zealand, United Kingdom and the United States of America. Their headquarters are in New Caledonia, with offices also in Sydney, Australia. On this Commission his work was concerned with recommendations for the improvement of living conditions of people who live in the Pacific Islands administered by these governments. Dr. Bedell's address is U. S. Office of Education, Washington 25, D. C.

PERRY EPPERLY, AB, BS BA, farms 900 acres northeast of Salisbury in Chariton County, Mo. Mr. and Mrs. Epperly and family make their home on the farm. Their son, Donald Epperly, this spring was chosen as the outstanding sophomore in chemical engineering at the University during Engineer's Week. He has received a Monsanto Scholarship for the last four semesters of his University work.

GARTH LANDIS, BS BA, in April was re-elected to the City Council of

St. Joseph and has also been re-elected president of the council. Mr. Landis has a record of leading all council candidates in the last four elections, primary and general. He lives at 1013 Ashland Court, St. Joseph, Mo.

W. L. DAFFRON, AM, is retiring at the close of the school year after serving with the St. Joseph, Mo., school system since 1927. Born in De Kalb County, Mr. Daffron taught and served as an administrator in rural schools 19 years before going to St. Joseph as principal of the old Longfellow School. Later he was transferred to Benton School, where he has been principal since 1938. Mr. and Mrs. Daffron live at 205 S. Noyes Blvd., St. Joseph. They have a son, Walter, of St. Joseph, and a daughter, Mrs. Kenneth Hickey, of Fresno, Calif.

BURTON H. FREDERICK BS ME, BS BA '32, is vice president of Cupples Company, manufacturers, of St. Louis, Mo. Mr. and Mrs. Frederick and daughter, Bonnie, live at 35 Ladue Estates, Creve Coeur, Mo. Bonnie is graduating with honors in music from Ladue High this year.

32 PAUL R. BUMBARGER, BJ, is publisher of the Charles City (Iowa) Press. In 1955 he was selected as Iowa Master Columnist, an award based on his front page column, "Over the Dam," which appears daily in the Press. In 1956 the Press won first place in general excellence in the Daily division of the annual Iowa Press Association contest. Among his civic and professional activities is his recent chairmanship of the Charles City Community Chest board of directors. Mr. Bumbarger lives at 507 North Iowa Street in Charles City.

ROBERT R. COOLEY, BS Agr., formerly of Mountain Grove, Mo., is a district sales manager for the Simplicity Mfg. Co. of Port Washington, Wis. Mr. Cooley lives on Route 1, Box 40-A, Matthews, N. C.

33 LEWIS E. LONG, BS EE, is manager of the San Francisco branch of Wagner Electric Corporation of St. Louis, Mo. Prior to moving to San Francisco last October, Mr. Long was an application engineer for Wagner in their Los Angeles office. Mr. and Mrs. Long and family live at 41 Eastwood Drive, San Mateo, Calif. Their children are Lenice, 15, William Charles, 12, and Lewis II, 10.

NORMAN O. WAGNER, BS CE, in April was elected senior vice-president of the Alpha Portland Cement Company of Easton, Pa. Mr. Wagner was promoted from his position as vice-president of sales, which he has held since April,



Norman O. Wagner, '33

1955. He has been with Alpha since February, 1953, and has been a member of the Board of Directors since February, 1956. He joined the Portland Cement Association in 1934 and has served as field engineer, office engineer, and as district engineer in the Columbus office. The Alpha Office is at 15 South Third, Easton, Pa.

ELMER W. LOWER, BJ, director of operations of CBS' News Division, has been awarded a fellowship for graduate research in political science at Columbia University during the 1958-59 academic year. A veteran newsman, Mr. Lower has served on the staff of Associated Press, United Press, Life magazine, and with the Office of Public Affairs, U. S. government. Mr. Lower is married, has two sons, and lives in Hastings-on-Hudson, New York.

35 M. C. SONS, BS Eng., has been named vice-president of production for the Jersey Production Research Company, an affiliate of Standard Oil Company, N. J. He is also a director of the newly-formed company, which is concerned with geological, geophysical and production research activities for Jersey Standard, which work was previously carried on under contract by The Carter Oil Company in Tulsa, Okla. Their work will continue in the Tulsa laboratory. Mr. Sons joined The Carter Oil Company in 1936 and makes his home at 3480 S. Delaware, Tulsa 5, Okla.

HENRY C. M. LAMKIN, LLB, a partner in the St. Louis law firm of Cobbs, Armstrong, Teasdale & Roos, has been elected president of the Bar Association of St. Louis. He has served for

several years as secretary of the association. Mr. Lamkin lives at 6224 Waterman Boulevard in St. Louis.

36 HERBERT P. GREEDA, AB, of Kansas City, has purchased the Jim Quigley Ford Sales in Chillicothe, Mo., and in April the firm became the Herb Grenda Ford Company. Mr. Grenda had been associated with General Motors more than 20 years and recently resigned his position as regional manager in charge of public relations, a position he had held for the past eight years. Mrs. Grenda is the former Alice Moore of Chillicothe, and they will make their home in that city.

CLANCY TOPP, BJ, is with the plastic subsidiary of the W. R. Grace Shipping Company. He was with the J. M. Mathes Advertising Agency working on the Bakelite account for the past 10 years.

Mrs. O. C. Daggert, the former DOROTHY LARUE, AB, of Columbia, lives in Sterling, Ill., at 1716 Avenue D. Mr. Daggert is president of the National Bank of Sterling.

37 TOM RUBEY, BS CE, is superintendent of insurance for Cities Service Oil Company in Bartlesville, Okla. Mr. Rubey sends a challenging thought: "I am recently the father of my seventh child. Can any other alumnus of my vintage beat this?" The Rubey family lives at 1423 Keeler Ave., Bartlesville.

ROSS E. KING, BJ, formerly of 1210 E. Walnut in Columbia, recently became assistant vice president of the Peoples First National Bank and Trust Company in Pittsburgh, Pa. Mrs. King is the former Ruth Cropp of Columbia.

HENRY PHILIP ANDRAE, AB '36, LLB, was elected president of the Law Alumni Association at the University in April. Mr. Andrae is a practicing attorney of Jefferson City, Mo. Mrs. Andrae is the former HELEN E. WALTON, AB '38. Their home is 112 Vineyard Square, Jefferson City.

38 HERBERT BUTTERFIELD, AB, LLB '40, is prosecuting attorney of Saline County, Mo., and lives at 126 W. College, Marshall, Mo.

ROBERT T. GALLAGHER, AM, head of the department of mining engineering at Lehigh University, has been named to the national education committee of the American Institute of Mining, Metallurgical and Petroleum Engineers. He is one of four members of the committee appointed for a three-year term at their annual meeting in February. Dr. Gallagher is a graduate of Pennsylvania

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State University and received his doctorate in 1941 at the Colorado School of Mines. He has been a member of the Lehigh University faculty since 1942 and was named head of the department of mining engineering in 1951. Dr. Gallagher's home is on Route 4, Bethlehem, Pa. Mrs. Gallagher is the former Mary Fern Kampschmidt of Columbia.

J. W. ROMBERG, BS ChE, is a project engineer in asphalt research at Texaco's Port Arthur-Pot Neches Research laboratories. He joined The Texas Company after graduation and has done considerable writing along with his research activities. He is the author of several technical papers dealing with asphalt technology. Mr. and Mrs. Romberg and son live at 2334 Sixth Street, Port Neches, Texas.

39 CHARLES H. DICKSON, BS Agr., is a reviewing appraiser for The Prudential Insurance Company of America. Incidentally his boss is J. ED RUTTER, BS Agr. '29, who is associate manager of the Great Lakes Mortgage Loan Office, Prudential Plaza, Chicago, Ill. Mr. Dickson lives at 6166-B Carnel Ave., Indianapolis 20, Ind.

TRAVIS "Hoppy" HOPKINS, AM, head basketball coach at William Chrisman High School in Independence, Mo., for the last 12 years and a coach for more than 20 years, has been appointed consultant of physical education for the secondary schools of the Independence School District. He will supervise and coordinate the entire physical education program for Chrisman, and will assume his duties in the fall. He closes one of the most successful basketball eras of William Chrisman High and the Bears have also captured four PEC championships during his seven years as track coach. Mr. Hopkins, unmarried, lives at 717 Vassar, Kansas City 21, Mo.

40 Mrs. Roscoe Brown, elementary principal at Eldon, Mo., for 30 years, retired at the close of the school year, after a 36-year career in the teaching field. Mrs. Brown, who was the former RUBY MOLES, M.Ed., of Miller County, received her bachelor's degree from Central Missouri State College in Warrensburg. She has taught at Sturgeon and near Marshall, Mo., in a consolidated school, going to Eldon in 1928. Along with the administrative duties, Mrs. Brown taught Latin, English and corrective speech. She plans to devote more time to her home, church work, and, perhaps, writing, at her home at 230 West 4th St., Eldon, Mo.

RICHARD J. KARRASCH, BS Agr., AM '41, recently was promoted to director of the research and development depart-



Richard Karrasch, '40

ment of Hales & Hunter Company, 141 West Jackson Blvd., Chicago, Ill. Mr. Karrasch joined Red Comb Pioneer Mills, Inc., in 1941 and was manager of the poultry feeds department at the time of his promotion. He lives on Rural Route 1 near Lockport, Ill.

41 ANDREW J. BERGER, Grad., is associate professor of anatomy at the University of Michigan Medical School. Dr. Berger's offices are in the East Medical Building, Ann Arbor.

FRANCIS J. ELLIS, AB '40, BS Med., physician, is practicing obstetrics and gynecology in Springfield, Mo. Dr. and Mrs. Ellis and two children live at 609 Cherry Street there.

43 CARL F. W. WELTGE, BS ChE, is a chemical engineer for Continental Oil Company and lives at 313 N. Peachtree St., Ponca City, Okla.

HARVEY H. WALTERS, BJ, is manager of the Georgia Press Association and lives in Atlanta at 24 Ivy St., S.E.

45 Mr. and Mrs. W. S. Overfelt own and operate the Show-Me Lodge at Bowling Green, Mo. Their motel is located at the junction of Highways 54 and 61. Mrs. Overfelt is the former MILDRED M. MATTHEWS, BS Ed.

GARDIE SWANSON, BS Ed., who began her teaching career in the rural schools of Miller County in 1912, retired in June. She has taught 44 years,

with 40 years of that time in the school system of Tuscumbia, Mo. Much of her college work was done in summer school as she taught during the remainder of the year. Miss Swanson will continue to live in Tuscumbia, where she makes her home with a sister and a brother-in-law, Mr. and Mrs. L. E. Kallenbach.

HUGH A. MINER, AB, LLB '47, is an attorney of St. Joseph, Mo. Mrs. Miner, who was MARJORIE PAGE, AB '46, recently was named a member of the city library board. A resident of St. Joseph since 1947, Mrs. Miner is active in civic enterprises and a number of club boards. Mr. and Mrs. Miner and three children, two boys and a girl, live at 1802 Crescent Drive in St. Joseph.

46 PAUL C. KELSO, AM, Ed.D. '48, Coordinator of Student Counseling at Iowa State Teachers College in Cedar Falls, recently was chosen president of the Student Personnel Association for Teacher Education, a division of the American Personnel and Guidance Association, Washington, D. C. Dr. Kelso was presented to the Association at a meeting in St. Louis, where nearly 2500 personnel and guidance workers met at their annual convention. This organization is devoted to improvement of student personnel services in teachers education institutions. Dr. Kelso is a native of Ethel, Mo., and has been a member of the staff of Iowa State since 1948. Mrs. Kelso is the former DOROTHY SHANNON, '43. They have two daughters and the home is 1021 W. 8th St., Cedar Falls, Iowa.

Mrs. George B. Dumond, who was MARY MARQUIS, BJ, lives at 3815 N. 50th Drive, Glendale, Arizona.

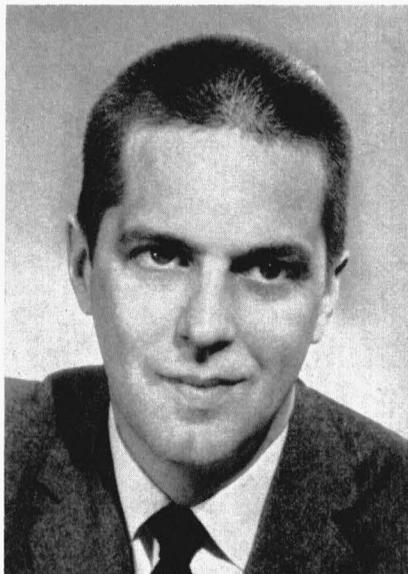
47 Mrs. Terrence Allen, who is the former MILDRED LOOMIS, AB, of Columbia, Mo., says her activities are the obvious ones associated with caring for four children—Nell, 7, Tim, 5, Anne, 4, and Lucia, 2. Mr. Allen is an assistant professor of psychology at Michigan State University and their home is 1526 River Terrace Drive, East Lansing. They moved to Michigan last September from a previous location at Charlottesville, Virginia.

WILLIAM B. GRAY, BJ, resigned in May as news editor of the Mitchell County, Iowa, Press-News and will enroll at the Church Divinity School of the Pacific, Berkeley, Calif., in September to study for the Episcopal Church ministry. He is presently living in Osage, Iowa, P. O. Box 262.

JERRED G. BLANCHARD, LLB, practices law with the firm of Larkey, Dudley and Blanchard, 1230 Commerce

Title Building, Memphis 1, Tenn. Mrs. Blanchard is the former EUGENIA ARMISTEAD, AB. Their children are Jerred, Jr., 8, Maude Cayce, 6, and Elizabeth Armistead, 4½. Their home is 1756 Forrest Ave., Memphis 12.

L. R. (Dick) SULLIVAN, BJ, of Cedar Rapids, Iowa, has been appointed creative director for Allen & Reynolds of Omaha, Neb. This agency handles public relations, marketing and advertising. Mr. Sullivan will serve as director and coordinator for all creative planning by the agency. A native of Burlington, Iowa, he has been creative director for the W. D. Lyon Company, a Cedar Rapids advertising agency, for the past 4½ years. Prior to that he had been in charge of the creative section of the general promotion department and director of book advertising for the Meredith Publishing Company in Des Moines.



L. R. Sullivan, '47

48 LLOYD C. BILLINGS, AM, is an assistant professor of economics and statistics at Fenn College in Cleveland, Ohio. Mr. and Mrs. Billings live at 3387 West 150th Street in Cleveland. They are making plans for a four month trip to Sydney, Australia, this fall. They plan to leave San Francisco on September 12 on Cunard Line's "Orcaades" and to fly back by Pan-American Airlines.

GRANT A. SHRUM, BS Agr., a native of Bonne Terre and now of Silver Spring, Md., has been named executive director of the National 4-H Club Foundation, effective May 16. He has been a member of the Foundation staff, serving as executive secretary of the 4-H



Grant A. Shrum, '48

Builders' Council. He is a former agricultural extension agent of Missouri and worked for Standard Oil Company one year. He joined the foundation staff in October, 1955, and lives at 3517 Olympic in Silver Springs, Md.

VICTOR E. BLACK, BS, MS Ed., is a teacher and principal in a delinquency institution for the State of Wyoming. He lives in Worland, Wyo., P. O. Box 670.

MELVIN ROWOTH, BS Agr., associate county agent of Livingston County in Missouri, has been enrolled in graduate school at the University this year, where he is finishing his work for a master's degree. Mrs. Rowoth is the former MARY LOUISE LONG. The Rowoths have three children, a daughter, 7, and the twins, 4. Their home is 1412 Cooper in Chillicothe, Mo. Mrs. Rowoth is one of six alumni in her immediate family. Her brothers are FRED LONG, BS Agr. '47; GEORGE LONG, AB '48, and JAMES LONG, BS Agr. '50. Mrs. Fred Long is the former ANN ADAMS, BS HE '49 and Mrs. George Long is the former LUCY TONER, BS Ed.

49 ROBERT J. WOLTERING, BJ, has been appointed by Farm Equipment Retailing magazine to serve its advertisers in the north central United States. He will operate from the magazine's St. Louis office. Mr. Woltering has formerly been with Lynch, Hart & Stockton Advertising Company in St. Louis, and with Krupnick & Associates there. He has also operated a farm for several years. The business address is 2340 Hampton Ave., St. Louis 10.

WILLARD A. LARSEN, BJ, a winner of the Stephens Oratory Medal in '49, could not attend the activities held on campus this spring, because he and Mrs. Larsen were busy with the new baby at their home, 4821 W. Woodlawn Court, Milwaukee 8, Wis. Mr. Larsen is a representative of Massachusetts Indemnity Life Insurance Company in the Milwaukee area. Mrs. Larsen is a graduate of Stephens College.

KATHLEEN (Kitty) CRANE, BJ, who in March was awarded a \$1,500 Fellowship from the South Central legion of the American Federation of Soroptimist Clubs, Inc., for a woman student undertaking graduate or professional work in preparation for public service, was commissioned for Methodist missionary and deaconess service at the fifth Assembly of the Woman's Society of Christian Service of the Methodist Church on May 8 in St. Louis. Miss Crane will go to Korea to do educational and journalistic work. Born in Fort Scott, Kan., she spent her early life there and in Webb City, Mo. This past year she has been studying toward a master's degree in English at George Peabody College in Nashville, Tenn. For two years Miss Crane was a reporter for the Joplin Globe and News-Herald. From 1953 to 1957 she was a special term Methodist missionary to Korea, having taught English and journalism at Ewha Woman's University in Seoul.

50 MARILYN MICHAELS, BJ, this spring won an all-expense-paid trip to Hollywood for herself and her mother as the grand prize of a nation-wide contest sponsored by Warner Brothers and Bantam Books



Kathleen Crane, '49

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in behalf of the movie, "Sayonara." Miss Michaels is employed by the DX Sun-Ray Oil Company in Tulsa, Okla. Her winning entry in the contest was "I want to see the movie, 'Sayonara,' after reading the book because my eyes want to see what my heart's been told." Miss Michaels lives at 1625 S. Elwood, Tulsa 19.

STANTON R. MORRISON, BS Ag Eng., has completed his four year assignment as a rice specialist for the British Honduras government and is now vacationing in Europe. He will spend several months on this trip. Mr. Morrison's home town is Greencastle, Mo.

PETER E. POTTER, BJ, and Mrs. Potter, who was BETTY JO SULLIVAN, BS Ed. '51, announce the birth of a son in April. Mr. and Mrs. Potter live at 1501 S. Barrett, Sedalia, Mo.

ROY E. AIKMUS, BS Agr., is parts and service manager of the Kansas City branch of Minneapolis-Moline Company. Mr. and Mrs. Aikmus and four children, Janice, Tommie, Steve and Gail, live at 6812 Hoy Road, N. W., Parkville, Mo.

51 Mrs. Robert W. Browning, who was NITA SPARKS, BJ, is educational counselor on the public relations staff for Christian College in the greater St. Louis area. Mrs. Browning is a graduate of Christian, AA '49. Mr. and Mrs. Browning and two children, Bobby and Jeannie, live at 759 Chamberlain Place, Webster Groves 19, Mo. Mr. Browning is employed with a St. Louis Construction Company.

ROBERT WARREN FLEMING, former engineering student, is a systems engineer with Bechman Instruments, Richmond, Calif. He is living at 1024 Mariposa, Berkeley 7, Calif.

Dr. and Mrs. Charles Allcott and two sons live at 1062 Sheridan Road, Mt. Dora, Florida. Mrs. Allcott is the former ADA NORTON FLETCHER, BS, M.Ed. '53. Their sons are Charles Allcott III, 3, and Henry Fletcher Allcott, 1 year. Dr. Allcott is a dentist.

JOSEPHINE ALEXANDER, BS, is teaching at New Franklin High School. She is art supervisor in the elementary school and art teacher in high school. Her home address is Rocheport, Mo.

L. E. LEWIS, BS Ed. '51, M.Ed. '54, has been appointed Director of Admissions at Christian College in Columbia, Mo. Mr. Lewis, originally from Bloomfield, Mo., taught in the high school of Bolivar, Mo., from 1951 to 1953, and was superintendent of Paris (Mo.) public schools from 1954 to the present assignment. His work at Paris has brought

commendation from the State Department of Education because of the building improvements and additions to curricula. Mrs. Lewis is the former Betty Pettigrew of Jamestown, Mo. Mr. and Mrs. Lewis and their 3-year-old daughter, Sonya Lynn, will move to Columbia this summer.

52 WALTER T. PROCTOR, BJ, is associate editor of the Northwestern Banker, published at 306 Fifteenth Street, Des Moines, Ia.

H. FREDERICK MAJOR, Jr., BS BPA, BJ '56, is vice president of an advertising agency in Minneapolis, Minn. Mr. Major lives at 1714 2nd Avenue South, Minneapolis 3, Minn.

ADNAN RAJAB AL-NAAMA became a citizen of the U. S. on February 18, 1958, and on March 18, 1958, a son, Steven Adnan, was born. Mr. and Mrs. Al-Naama and Steven live at 3850 Reed, Wheat Ridge, Colo.

CHARLES R. DOWNS, Jr., BJ, is assistant editor for the News Bureau, Department of Information Services, at Michigan State University. In this capacity Mr. Downs does science writing for the University. He was associated with the Office of Public Affairs, U. S. Army Chemical Corporation Biological Warfare Laboratory, Fort Detrick, Frederick, Md., for five years. His present address is 409B Willow Lane, East Lansing, Mich.

VAN E. EITEL, BS Agr., has been doing graduate work in agricultural economics at the University this past year. He was married on December 20 to Mrs. Claribel Smith Daly of Columbia, and their honeymoon was a two-weeks trip to Monterey, Mexico. Mrs. Eitel also has been enrolled at the University this past year. Van was the 4-H Club representative of Missouri under IFYE in 1949, and spent six months on the farms in Belgium and Luxemburg. Their home is 1 Lucas Way, Columbia.

53 GENE LANDOLT, BS, is employed in the loan department of the Bank of Murray in Murray, Ky. He was recently elected to the board of directors of the Junior Chamber of Commerce. This past season he coached and played on a semi-professional basketball team in the Atomic Valley league. The group won first place in the conference. Mrs. Landolt, the former LOCHIE FAYE HART, BJ '54, is editor of the woman's page for the Daily Ledger and Times in Murray. The Landolts have two children, a boy and a girl, and live at 1002 Payne Street in Murray.

WILLIAM E. RAU, BS, AM '57, Mrs. Rau, who was SARA JEANNE SHOF-STALL, AB, and son, Kenneth Vaughn, born last November, send a forwarding address of 1208 Santa Fe Drive, Rock Hill 19, Mo. Mr. Rau, a foreign service officer of the U. S., is assigned to the Foreign Service Institute, Washington, D. C. and subsequently with the Department of State.

JAMES E. EDEN, BS, M.Ed. '57, is vocational agriculture instructor at Francis Howell high school in St. Charles, Mo. His home is on Route 2, St. Charles.

54 EDGAR F. COX, Jr., BS BA, is managing and has an interest in eight farms in Lafayette County, Mo. Mr. and Mrs. Cox and three children live at 122 N. 18th St., Lexington, Mo. The children are Daniel Fleming, 3; Laura Elizabeth, 2, and Andrew Edgar, born last August.

SAMUEL N. COX, a district credit manager, lives at 8835 Wrenwood, Brentwood 17, Mo.

RENE C. BOCKENKAMP, BS BA, has been appointed state representative for the National Foundation for Infantile Paralysis in Southern Illinois. He will work with the volunteer leadership of 42 county chapters in southern Illinois and will live in Springfield, where the Foundation's office is located. A native of St. Louis, Mr. Bockenkamp was employed as a sales representative before joining the National Foundation. A first lieutenant in the U. S. Army, he served two years on active duty. Mr. and Mrs. Bockenkamp have been living at 1108 Blendon Place, St. Louis, Mo.

FRED E. SCHOENLAUB, AB, LLB, has been appointed city counselor for



Rene C. Bockenkamp, '54

the city of St. Joseph, Mo. A former assistant prosecuting attorney, he has been engaged in the private practice of law there. Mr. Schoenlaub began his duties with the new city administration on April 21. His home in St. Joseph is 3315 Newport Road.

55 SAMUEL M. SIEGER, BS BA, has accepted a position with Armstrong Cork Company and has completed the firm's Glass and Closure Division Sales Training Program, Lancaster, Pa.

DONALD JOE JANES, BSF, has been attending graduate school at the University, living at 14 T Street in Columbia.

MARILYN SUE JAMES, BS Ed., has been teaching home economics in Louisiana, Mo., since graduation. Her home there is 200 S. 11th St.

JULIA J. RUDNEY, BS Ed., has been teaching third grade in the elementary system of Denver, Colorado, but will teach at Ritenour District, St. Louis County, Mo., this fall. Her home is in Overland, Mo.

GENE W. SCHMIDT, AB, has been named district geologist for the northwest 16 counties of Kansas. His work is with the oil field section for the Kansas State Board of Health. Mr. and Mrs. Schmidt and son, Terry Wendelin, live at 411 W. 8th St., Hays, Kansas.

56 JOHN TOMASOVIC, BS Agr., has a wholesale florist shop at 1219 Bopp Drive, Kirkwood 22, Mo. Mr. and Mrs. Tomasovic and son, John L., Jr., live at 1251 Meier Lane, St. Louis.

Ensign IVAN R. DEE, BJ, AM '57, is still cruising in various parts of the Atlantic Ocean, assigned to the U.S.S. Maury, AGS-16, Fleet Postoffice New York.

KEITH E. EVANS, BS AgJ, is in the public information office of the U. S. Army at Fort Polk, La. He is editor of the Dragoon, Ft. Polk's weekly newspaper.

BRUCE J. BOYLE, former continuity director of Station KOMU-TV in Columbia, Mo., has joined the advertising sales staff of Meredith Publishing Company in Des Moines, Iowa. Mr. Boyle has also been with Pan American Airways in Los Angeles, Calif.

Mrs. ALICE VOGEL Stroh, AB, has been elected vice chairman of the second year administrative committee, and chairman of the special projects committee, of the Harvard Law School's Board of Student Advisors. This Board is composed of sixteen high ranking students

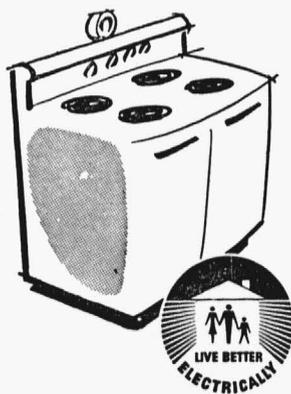
from the second and third year classes and administers their law club system. Her husband, John H. Stroh, Jr., is also a student at Harvard Law School. Both their homes are in St. Louis, but they are living at 46 Trowbridge, Cambridge, Mass.

JOHN J. JONES, AM, a captain in the Regular Air Force, is the survival, personal equipment and physiological

training office for Headquarters, Second Air Force, at Barksdale Air Force Base, La. Capt. Jones, of Crab Orchard, Nebr., is a graduate of Nebraska Wesleyan University and has been an admissions counsellor at Central College in Fayette, Mo. He has also been awarded a history scholarship at the University of Missouri, in recognition of his abilities in that field. This would permit his working toward a Ph.D. degree, and he has



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LIVE BETTER...Electrically

KANSAS CITY POWER & LIGHT COMPANY

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applied for special disposition for its use. Capt. Jones went to Barksdale from Little Rock AFB, Ark., where he was an air base training flight commander. Mrs. Jones is the former PHYLLIS SUE STEVENSON, AB '43, of Moberly, Mo. Their children are John Philip and Susan Marie.

57 At Commencement time last year one year's free membership in the Alumni Association, which includes a subscription to the *Missouri Alumnus*, was offered to the graduating seniors. The cards of acceptance returned totaled 890, somewhat better than 50%. The editor requested news notes from this 890, and we received a 25% response here. This explains the abundance of items under 1957 in this and the following issue.

T. RODNEY HARRINGTON, BS Agr., is farming with his father in Platte County, where his home is on RFD 1, Dearborn, Mo.

LOUISE FRIEDMAN, BS Ed., is the fourth grade teacher at Henry Hough school in Kirkwood, Mo. Miss Friedman lives at 2 Lindworth Drive, St. Louis 17.

JOANN McADOW, BS Ed., is teaching physical education at Benton High School in St. Joseph, Mo. Miss McAdow lives at 617 North 24th St., St. Joseph.

JAMES W. CULPEPPER, BS BPA, is a second lieutenant in the U. S. Army and is stationed at Heilbronn, Germany. He was married on December 24 and Mrs. Culpepper plans to join him there in June. She is presently living at 1606 Anthony in Columbia.

JOHN W. DAWSON, MS, AB '44, is a medical social worker at Missouri State Sanitorium, Mt. Vernon, Mo. His home is 506 E. Center there.

JOHN M. LYNN, BS BA, insurance adjuster, lives at 1105 A Holly Hills, St. Louis 11, Mo. He was recently elected secretary of the St. Louis chapter for the Society for Advancement of Management.

LYNN OVERSTREET, BS Ed., is teaching kindergarten at the Henry Hough school in Kirkwood, Mo. Miss Overstreet lives with CONNIE RICHARDS, BJ, at 9119 North Swan Circle, Brentwood 17. Both are planning to stay in St. Louis another year.

CAROLE S. VOLLMER, BS Ed., is teaching third grade in Webster Groves. She lives at 121 Mason Ave., Webster Groves 19, Mo.

ROBERT J. WITTMAN, AB BJ, is a copywriter for Potts-Woodbury, Inc., Kansas City, Mo. His mailing address is 365 W. Morgan, Marshall, Mo.

JANE MILLER POWELL, BJ, is continuity director for Radio Station KIRX in Kirksville, Mo. Her address is 902 S. Baltimore.

IRENE MARIE BROWN, BJ, is assistant editor of "The Westerner News" of Olin Mathieson Chemical Corporation, East Alton, Ill. Miss Brown's mailing address is 530 N. Union, St. Louis 8, Mo.

JERRY L. BRENNAN, BS CE, second lieutenant, after six months as flight test engineer on K.C.-135 Tanker at Boeing in Seattle, Wash., was ordered to Wright-Patterson Air Base at Dayton, Ohio, where he is now connected with the Air Material Command. His address is 57 Thornton Drive, Fairborn, Ohio.

ROBERT LANGENBACHER, BS ME, is a member of the tire design and development department of Goodyear Tire and Rubber Company in Akron, Ohio. Mrs. Langenbacher is the former PATRICIA ANN SINKS, BS Ed. They are living at 1913 Lancaster, Cuyahoga Falls, Ohio.

Mrs. William D. Pugh, who was SHARI WALKLEY, BS Ed., is doing substitute teaching in Manhattan Beach and Palos Verdes, near Los Angeles, Calif. Mr. Pugh, who is a graduate of Massachusetts Institute of Technology, is with Standard Oil of California. They are living at 2512 Pine Ave., Manhattan Beach, Calif.

LESLIE ANNE FLYNN, AB, is enrolled in graduate school at the University. Miss Flynn lives at 1507 Bouchelle in Columbia.

JAMES A. COTTRELL, BS BA, whose home address is Route 3, Box 356 at Parkville, Mo., is an administrative clerk with the 56th MRU, Presidio of San Francisco. He was drafted August 1, 1957, and received basic training at Fort Chaffee, Ark.

ROBERT R. REICH, BS Agr., has finished a six months tour of duty in the Army at Fort Leonard Wood and is now in business with his father in Kansas City. He is plant manager for A. Reich and Sons, Gardens, Inc., at 7501 East 37th St., Box 8055, Kansas City, Mo.

EDWARD M. BRUCE, AB, is a jet pilot with the 3rd Strat. Recon. Sqdn., Lockbourne AFB, Ohio. Mrs. Bruce is the former VIRGINIA L. DUCK, BS Ed.

RAY LEE MILLER, Jr., BS Ed., is working toward a master's degree in physics at Missouri School of Mines and Metallurgy in Rolla. He lives at 4 Cronin Court, Rolla.

JOHN K. STRICKLER, BSF, is stationed at Fort Sill for his six months of Army duty. His wife, formerly JOAN C.

MULHOLLAND, BJ, is living in St. Louis at 5413 Goethe. Lt. and Mrs. Strickler had lived in Arizona prior to February, when he entered service.

MARY ALLEN GIBBS, BS Ed., is teaching eighth grade general science at Lindbergh Junior High school in St. Louis County. Miss Gibbs lives at 1040 N. Woodlawn Ave., Kirkwood 22, Mo.

WILLIAM K. SNYDER, BS BA, a junior accountant, is presently stationed at Ft. Benning, Georgia. 2nd Lt. Snyder sends his mailing address as 804 S. Adams, Nevada, Mo.

DONALD W. MILLO, BS, is field representative for the Sikeston (Mo.) Production Credit Association. His home is on Route 1, Bernie, Mo.

LOUISE M. DUFF, BJ, is a copywriter for Montgomery Ward and Company, and her permanent home address is 2812 Linn St., Peoria, Ill.

KAY JONES, BS Ed., is teaching fourth grade at the Keyser School in Kirkwood, Mo. Miss Jones lives at 7555 Byron Place, Clayton 5.

ELAINE SMITH, BS Ed., is teaching commercial subjects in the schools of Edwardsville, Ill. Miss Smith lives at 320 N. Buchanan.

GIL DIVELBISS, BS ME, is a sales engineer with Witte Engine Works (U. S. Steel) in Kansas City. He lives at 618 E. 31st. Ave., North Kansas City, Mo.

PAUL S. BAUMGARDNER, Jr., BS ME, is a weights engineer at Convair Aircraft in Fort Worth, Texas. His residence is Apt. D., 1911 Prevost St., Fort Worth.

JERRY G. ALLEN, BSF, with the Forest Service, is working at present on a timber management plan and type map for the Helena National Forest in Montana. His residence is 2005½ Poplar, Helena.

BARBARA A. ALLEN, BS BA, is an accountant for Theiss Drilling Company in Fort Worth, Texas. Miss Allen lives at 5030 Birchman Avenue there.

DONALD F. GOLDEN, BS Agr., is a production management trainee for Carnation Milk and Ice Cream Company and is living at 274 South Parkview St., Los Angeles 57, Calif. Mr. Golden was married last November to Miss Margaret Orona. They hope to visit the campus on their vacation in July.

JUDITH WALLACE Tatum, BS, is a secretary in the department of psychiatry, University of Rochester School of Medicine, where Mr. Tatum is a medical student. Their home is at 7 Lilac Drive, Rochester 20, New York.

REX F. LORENCE, BS BA, and GEORGE SHANER, BS BA, share an apartment at 3906 East 16th, Wichita, Kan. Rex has been employed at Beech Aircraft Corporation since graduation and is presently staff assistant for the manager of the Twin Bonanza Sales. His future plans include a fall wedding. Mr. Shaner was hired as a procedures analyst in the manufacturing department of Boeing Airplane Company there and was transferred in January to a position on the administrative staff of the Material Section.

JIM DWYER, BS ME, is with a Corps of Engineers at Mobile, Alabama, where he lives at 201 Glenwood St.

PETER A. DALLAS, BS PA, is head teller at the First National Bank branch of the Amarillo Air Force Base. Mr. and Mrs. Dallas and daughter, Debra Lynne, born last November, live at 313 West 22nd., Amarillo.

JAMES G. MEADOR, AB, completed USMC Basic School at Quantico, Va., in February and is now serving a tour of duty with "A" Battery 1st AAA, AW, BN(sp) at MCB, 29 Palms, Calif. A daughter, Amy Lynne, was born on February 2 to Lt. and Mrs. Meador. Their address is 5B Cactus Drive, 29 Palms.

ALAN LEE ROSE, AB, is stationed at Quantico, Va., with the U. S. Marine Corps. Lt. Rose lives at 126-A Courtney Drive, Triangle, Va.

JAMES F. ROGERS, AB, is continuing his work toward a law degree at the University and lives at 1129A Worley, Columbia, Mo.

DALE E. MEDLIN, BS ME, is a development and design engineer in the large turbine engineering department of Westinghouse Electric Corporation, steam turbine division, of Lester, Pa. His address is 205A West Parkway Ave., Chester, Pa.

AL FERRY, BS BA, is an administrative trainee with General American Life Insurance and lives on Rural Route 1, East Carondelet, Ill.

JAMES R. DARDEN, BS ME, staff assistant with Southwestern Bell Telephone Company, lives at 1458 Oriole Place, Brentwood 17, Mo.

ANDREW FRED WILLIS, BJ, is a graduate student at Louisiana State University School of Journalism. His mailing address is 730 Shotwell, Memphis, Tenn.

Ens. MICHAEL J. YOUNGER, BS Ed., is also serving aboard the U. S. S. Mt. McKinley. His address also is U. S. S. Mt. McKinley, AGC-7, c/o FPO, New York, N. Y.

WARREN L. LOSCHKY, BS BPA, is a management trainee with Sears, Roebuck & Co., Madison, Wis., where he is manager of the camera, office equipment and jewelry departments. Mrs. Loschky, who was UNA KILLION, AB, is a research technician at the University of Wisconsin Medical School. She is doing clinical research in endocrinology. Their address is 22 North Hancock, Madison.

DAVID MILLER LACY, BJ, whose home address is 729 N. 25th St., St. Joseph, Mo., is now stationed with the U. S. Army at Fort Benning, Ga., attending Airborne training school. After June 1 he expects to be stationed in Germany for 18 months.

JERRY LANE DOWNS, BS ME, is with McDonnell Aircraft Company in St. Louis. Mr. and Mrs. Downs and son, Daniel Lane, now 10 months old, live at 3701 St. Monica Lane, St. Ann, Mo.

C. R. WATSON, BS BA, naval ensign, is serving aboard the Amphibious Force Flagship, U. S. S. Mt. McKinley AGC-7, and is now in the Mediterranean on a five month cruise with the Sixth Fleet. His address is FPO, New York, N. Y. Mrs. Watson is the former HELEN ANNE HUNT, BS Ed. '55, of Brunswick, Mo.

JAMES L. TANDY, BS AgJ, is assistant public relations director for the American Angus Association and lives at 3505 Scott, St. Joseph, Mo. Mr. and Mrs. Tandy have one son, James Brian, born September 12, 1957.

Lt. and Mrs. Richard Pine Grist announced the birth of Elisabeth Ann on March 14. Their address is 6143rd Inst., Sqdn., Itaznke AFB, APO 929, San Francisco, Calif. Mrs. Grist is the former ANN LEWELLEN, BS.

JOYCE SEWELL Henry, BS Ed., has been employed with the State Music Festival in Columbia and lives at 101 West Broadway.

KENNETH R. GUMPER, BS BA, completed his military service in December and is an engineering planner in the General Engineering Division of McDonnell Aircraft Corporation in St. Louis, Mo. His home address is Bay, Mo. PAUL HORN and JAMES WELCH, both BS BA, are also employed in the same division.

Mrs. Farrell E. Anderson, who was MARCIA JANE PRIDDY, BS Ed., is a teacher-secretary at Stephens College in Columbia. She is teaching shorthand, typing and filing. The Andersons live at 401 Thilly.

Mrs. Marvin Mercer, who was PATSY HOECH, BS Ed., is teaching home economics at Prairie Home, Mo. Mr. Mercer is a senior in the College of

Agriculture and they are living at 511 S. Sixth St.

J. A. KILP, BS EE, is a components engineer at Bendix Aviation Corporation in Kansas City, Mo.; address: 4033 Walnut.

GENE F. MILLER, BS AgJ, is enrolled in graduate school at the University and lives at 604 Sexton Road.

ROBERT L. MACY, Jr., BS Agr., in military service, is stationed with Co. D, 9th Plat., USALS, Presido of Monterey, Monterey, Calif.

JACK R. HORTON, DVM, has been commissioned a first lieutenant in the U. S. Air Force and has moved to a permanent station as base veterinarian at Sewart Air Force Base in Tennessee. He was formerly employed with Swift and Company in Chicago. Dr. Horton lives at 103B Lee Lane, Smyrna, Tenn.

DEAN E. KASPER, BS Agr., is an artillery liaison officer in Mortar Battery, 26th Inf., 1st Division, Fort Riley, Kan. He has recently moved from Fort Sill. Lt. and Mrs. Kasper are the parents of two sons; Wayne Lee, nearly two, and Danny Ray, born April 18.

RONALD D. SMITH, BJ, is an ensign in the U. S. Navy and is stationed on U. S. S. Barton, DD722, c/o FPO New York, N. Y.

MATTHIAS PATRICK GENSER, DVM, has moved from Buffalo, N. Y., to Minneapolis, where he is in practice with Dr. B. J. Porter there. Mrs. Genser is the former SUZANNE BERRY, BJ '56. Dr. and Mrs. Genser live at 4925 Highway 5, Minneapolis 16, Minn.

ARTHUR G. CANNON, Jr., is a technical staff member of the Sandia Corporation and has recently moved into a new home at 10713 Baldwin, N. E., Albuquerque, N. Mex.

DONALD L. DUNCAN, MS, and Mrs. Duncan, who was MELBA JEAN NESMITH, BS Ed., are building a new home in Charlotte, N. C. Mr. Duncan has had six months training with standard Oil affiliate in New York before transferring to Charlotte. Mrs. Duncan is teaching there and their address is 1715 Beverly Place, Charlotte 5.

MELVIN W. (Buck) BOXDORFER, BS BA, is credit manager for the Sears Roebuck catalog sales office in Farmington, N. Mex. He joined Sears July 1, 1957, as a buyer-trainee in the mail order division in Kansas City, and was promoted and transferred to Farmington on March 1. Mrs. Boxdorfer is the former LORETTA GULAIAN, BJ '56, and their daughter, Cindy, is two years old. The Boxdorfer home is 113 West Broadway, Farmington.

class notes

JOHN P. SLUSHER, BSF, farm forester with Missouri Conservation Commission, recently has been assigned to the district at California, Mo., after a brief training period as assistant district forester on the Gasconade Fire Protection District at Rolla. His address is 105 N. Taylor St., California.

ORA ALVIN MESSICK, BS Agr., joined the Consumers Cooperative Association in January as a chemist and now operates their quality control laboratory in a new half-million dollar mill in Ida Grove, Iowa. Address: 406 Main.

MICKEY M. GOLDSTEIN, AB, owns an army store and pawn shop near Fort Polk, La. The Hollywood Shop is located at 2110 3rd St., Leesville, La.

RICHARD SOELL, BJ, worked as a copywriter with Sears Roebuck in Chicago until entering the Army as a commissioned lieutenant in February. He is now in officers' basic training at Fort Sill and will graduate June 25. Mrs. Soell, formerly SUZANNE WATSON, AB, was with Sears in the personnel department. Lt. and Mrs. Soell are now living at 2302 N. 23rd, Lawton, Okla.

JACK CLIFFORD SHULTZ, BS EE, is assistant plant electrical engineer for Guide Lamp, G. M. C., and lives at 2012 East Seventh, Anderson, Ind.

CAROLINE REAVIS, BS Ed., is teaching physical education in the schools of Denver, Colo. Miss Reavis lives at 1020 Sherman, Apt. 205, in Denver, but will return to her home in Sweet Springs, Mo., for the summer.

EDGAR J. ECKLES, Jr., BS BA, has recently purchased a truck line, "Frigidways," and is now making his home in Memphis, Tenn. Mrs. Eckles attended Stephens College and the University.

NANCY HARRIS, BS Ed., is teaching physical education in the Brentwood Elementary Schools and lives at 7437 Cromwell, Clayton 5, Mo.

ALVIN G. SOKOLIK, BS Agr., is a buyer for Royal Packing Company in St. Louis. Mrs. Sokolik is the former Myrna Kraus. They are living at 8321 Delcrest Drive, University City 24, Mo.

JESS G. MAIZE, BS Agr., Naval Ensign, is stationed for flight training in Pensacola, Fla. Mrs. Maize, who was MARILYN ZIMMERMANN, BS, has been physical director at the Ritenour Y.M.C.A. in St. Louis, but went to Florida in April to join her husband. Their address in Pensacola is Grandview Apartments.

FRED E. NORMAN and MAURICE BEECHER, both BS Agr., upon graduation went to work for the U. S. Food and Drug Administration in St. Louis

as inspectors. In February, 1958, both were promoted with Mr. Norman being transferred to the Kansas City district. Mr. Beecher remained in the St. Louis territory where he and Mrs. Beecher, formerly SUSAN METZ, BS Ed., live at 6206 Nagel, St. Louis 9. Mr. Norman lives at 3908 Campbell in Kansas City, Mo.

LOYD EUGENE ROLL, BS Agr., attended officers' training with the Marines at Quantico, Va., and graduated as a second lieutenant in December, 1957. He will be with the Marines for three years, and hopes to play on their football team next fall. Lt. and Mrs. Roll announced the birth of a daughter, Tracey Diane, on March 20. Their home is 79A Purvis Drive, Melrose Gardens, Triangle, Va.

DALE CLIFTON CRAMER, BS Ed., is working on bridge construction and is presently located in Chariton, Iowa. However his permanent address and his home are Rural Route 5, Box 276, Neosho, Mo.

KARL J. GLENN, BS Ed., is doing graduate work, majoring in wind instruments, at the University of Michigan, Ann Arbor. His address is 220 S. Ingalls St.

THOMAS P. TODD, BS BA, is stationed with the U. S. Army in Okinawa, but his home address remains 105 Country Club Drive, Nevada, Mo.

THOMAS E. HARPER, BS ME, is a research engineer in the research department of United Aircraft Corporation of East Hartford, Conn. Mr. and Mrs. Harper have a daughter, Norma Lorraine, now seven months old. They are living at 128 Sisson St., East Hartford 8.

JOHN E. UREN, DVM, is practicing with Dr. J. F. JOHNS, DVM '52, at West Bend, Iowa. Dr. and Mrs. Uren and son, James Edward, born last November, live at West Bend, P. O. Box 232.

RICHARD N. DESHON, AB, is employed by the Artesian Ice and Cold Storage Company in St. Joseph, Mo., where he is enrolled in an executive training program which specializes in the cold storage field. His address is 1118 North 24th, St. Joseph.

ROBERT T. REYNOLDS, BS Ed., second lieutenant in the U. S. Air Force, is in pilot training at Moore Air Base, Mission, Texas.

2nd. Lt. REED F. STEELE, Jr., BJ, is an editor in the department of publications and non-resident training of the U. S. Army Artillery and Missile School, Fort Sill, Okla. His address is P. O. Box 1678, Fort Sill.

JOHN R. HARVEY, BS AgJ, is news editor and photographer for the Savannah (Mo.) Reporter, a blue-ribbon weekly of Andrew County.

Lt. ROGER L. COHEN, BS BA, is with E. Btry, 1st How. Bn., 7th Arty, First Infantry Division, with permanent assignment at Ft. Riley, Kan. He is presently assigned to the Army Electronic Proving Grounds at Ft. Huachuca, Arizona.

WERNER E. ZWICK, BJ, is working toward a master's degree in political science at the University of California in Berkeley, planning to finish in August. His interest will be journalistic specialization in political news. His address is 2990 Dam Road, San Pablo, Calif.

JOHN W. HOWALD, BS Agr., ensign, is stationed aboard the U.S.S. Bridget as a supply officer. Their home address is 721 G. Ave., Coronado, Calif., where Mrs. Howald and baby daughter, born March 9 and named Deborah Ann, are living.

EDWARD G. BOLCH, BS Ed., physical education and physiology teacher, is head football coach at Palmyra, Mo. His team placed third in the Quint City Conference of Northeast Missouri with a 6-3 record. Mr. Bolch lives at 301 West Hamilton, Palmyra.

GEORGE H. MATSUMOTO, AB, salesman, is employed by his father's firm which deals with Oriental Imports in San Francisco. His address is 504 Sutter Street.

JOHN H. ENDEBROCK, BS CE, is attending Stanford University and is completing final requirements for a master of science degree (structures option) to be received in June, 1958. He is presently living at 510B Crothers Memorial Hall, Stanford, Calif. but will be at home at 2401 Bristol Place, New Orleans 14 La., after June 15.

JOHN MICHAEL REID, BS BA, left in May for Mobile, Ala., where he began service as a second lieutenant in the Air Force. He is stationed at Brookley Air Force Base in Mobile. Mrs. Reid plans to join him in June after completing her school work at Centralia where she has taught this year.

STUART J. MENDELL, BS, is continuing his studies at the University's Law School and lives at 502 Rollins in Columbia, Mo.

JOHN DEWEY PIGMAN, BJ, is district scout executive for the Great Rivers Council of the Boy Scouts of America, which has its headquarters in Columbia, Mo. Mr. Pigman lives in Kirksville, 411 East Harrison St., and

works with adult Boy Scout leaders in 9 North East Missouri counties.

JACK DAVIS, BS Ed., completed army duty in March and is now playing baseball with Binghampton in the Eastern league. His home address is 5119 Bellefontaine, Kansas City, Mo.

RONALD J. STRAUSS, BSF, worked three months with the Forest Service on Ouachita National Forest at Waldron, Ark., after graduation before he entered armed service at Fort Sill. On March 27, 1958, Lt. Strauss returned to the Forest Service and is now making plans for a June wedding at Rockport, Mo. His address is U. S. Forest Service, Box 127 Waldron, Ark.

KENNETH LEWIS DAVISON, BS Agr., is a graduate student at Iowa State College and lives at 2927 Wood, Ames.

ROBERT C. ROEHRS, AB, a graduate student in the geology department at the University, lives at 118 South Williams, Columbia, Mo.

RICHARD L. SHEPHERD, AB, is enrolled in the School of Medicine at the University and lives at 204 Graham Hall in Columbia. His home address is 2026 Spruce, Kansas City 27, Mo.

HENRY A. TOTZKE, MD, completes his internship at The Queen's Hospital in Honolulu, T.H., and will enter the Air Force in September.

LOY J. BARNES, MD, finishes his internship at The Queen's Hospital in Honolulu at the same time and will begin his first year resident in general surgery at the same place.

KENNETH W. PEMBERTON, BS Agr., of Iberia, Mo., has accepted a teaching position at Alton, Mo. Mr. and Mrs. Pemberton, the former Patsy Bach, and their daughter, Cathy Lee, moved to Alton in February. Mr. Pemberton is in charge of the shop work in vocational agriculture at the high school there.

BARNELL KINKADE, AB, is with the Commerce Trust Company in Kansas City, Mo. Both Mr. and Mrs. Kinkade, who was Carol Medsker, are natives of Gallatin, Mo. They have one son, Jeffrey Alan, and will live in Kansas City.

J. P. MARTINEZ, Jr., AB, is enrolled in graduate school at the University, working toward a master's degree in history. He lives at 912 Elm St., Columbia, Mo.

WALTER A. HENRY, BS Eng., an ensign in the U. S. Navy, is stationed in Orange, Texas. Mrs. Henry, formerly

BETTIE SHACKLEFORD, BS Ed., '57, is teaching second grade at North Park School in Moberly, Mo. Her address there is 304 Chandler St.

LOU COTTEY, LLB, is associated with his father, L. F. Cottey, in law practice at Lancaster, Mo. Mr. and Mrs. Cottey and two children are living in Lancaster.

ART MATHERS, BJ, has joined the sports staff of the Memphis Commercial Appeal in Tennessee. He has written for the Missourian in Columbia. Mr. Mathers was sports editor of base newspapers while serving in the Air Force, and has served as sports editor and reporter for the Newton, Kan., Daily Kansan and of the Dixon, Ill., Evening Telegraph.

GEORGE A. ROUPE, BS ME, in March enrolled in Stanford University under a scholarship he received to do graduate work at that institution.

RICHARD SHIPLEY, LLB, is with the Bureau of Internal Revenue in Omaha. Mr. and Mrs. Shipley and son, Jimmie, live at 3093 S. 41st. St., Omaha, Nebr.

on guard



Yes, she's never off duty in guarding family health. She balances the family diet, takes the children for their "shots," prods her husband to get his annual checkup. But what about *her* health?

Caring for herself is the greatest gift a woman can give her loved ones.

So don't delay — see your doctor about *your* checkup. It's "*living insurance*" against cancer.

AMERICAN CANCER SOCIETY

deaths

Dr. Jay William Hudson, a member of the University faculty from 1908 until his retirement in 1943, recently at the age of 84 following several years of ill health. A teacher, lecturer and author, he became widely known as the author of "The Eternal Circle" in 1925 and later of "Abbe Pierre's People." He was a member of the Stephens College faculty six years after retiring from the University. Mrs. Hudson, of the home at 216 Edgewood Avenue in Columbia, survives.

WILLIAM M. GRAVES, '87, on April 21 in Jerome, Idaho, where he has lived since 1927. He is survived by four sisters and one brother.

F. M. MOTTER, BL '00, on October 8, 1957. A son, F. DOUGLAS MOTTER, BFA '35, of 205 33rd Ave., S. W., Calgary, Alberta, Canada, survives.

ROY O. MADDOX, '00, Columbus, Ohio, in March, 1958, following an illness of several months. A native of Linn County, Mo., Mr. Maddox is survived by three daughters, all of Columbus, Ohio.

CARL KRUSE, LLM '00, veteran attorney of Enid, Okla., fatally injured in a car collision early in May. He opened his law office in Enid in 1904, and was influential in organizing the Enid City Railway Company, the Kiwanis Club in Enid, the Chamber of Commerce and other civic and community projects. Mrs. Kruse, of the home at 417 S. Hoover, survives; he also leaves three daughters and six grandchildren. When a student at the University, Mr. Kruse was captain of the football team and in 1900 received a trophy for being champion amateur athlete for the state of Missouri.

Mrs. George A. Still, who was the former ARDELLA DOCKERY, AB '01, of Kirksville, Mo., on May 9, 1958. A member of the Missouri Bar Association, Mrs. Still was active in city and county affairs, and in all civil interests. She is survived by an adopted daughter and a niece.

WALLACE ALEXANDER, AB '05, on March 10 in Nashville, Tenn. Mr. Alexander, chemist, had retired in 1952 after 30 years with the Werner G. Smith Company of Cleveland, Ohio. He had formerly lived in Kirksville, Mo. Mrs. Alexander, of the home at 502 West Adams St., Nashville, survives.

ROBERT RUSS KERN, AB '05, author and professor emeritus, on April 19 in Washington, D. C., following a brief illness. He was a professor of sociology

and economics at George Washington University from 1909 until his retirement in 1934. He was a pioneer in the field of city planning and his book, "The Super City," was published in 1924. Since retirement he had continued his writings and research. At M. U. he was elected to Phi Beta Kappa and was an instructor in philosophy under Dr. Frank Thilly. Mrs. Kern and a daughter, Miss Jean Russ Kern, of the home at 1620 Fuller St., N. W., survive.

Miss NELLIE LEE DORROH, '09, well known insurance representative of Caruthersville, Mo., on March 29. Miss Dorroh had taught in the public schools of Caruthersville and Poplar Bluff and was interested in sports and the outdoors. She was an active worker in church and civic groups of the community. Miss Dorroh is survived by a brother, Charles Dorroh, of Caruthersville.

HARRY L. HARTY, '11, prominent realtor of Southeast Missouri, on April 20 following a heart illness of several months. A native of Bloomfield, Mo., Mr. Harty was active in Masonic Lodge and in community affairs. Mrs. Harty, of the home in Sikeston, Mo., survives; also a son, Capt. H. L. Harty, Jr., of Washington, D. C., and a daughter, Mrs. W. W. Beckett of 21 Brandon Road in Columbia, Mo.

JERRY B. FENTON, '12, attorney and ex-judge of Springfield, Mo., on March 15 at his home. He served in the U. S. Infantry in World War I and was active in American Legion work in Springfield. He established law practice there following his discharge from service, and has been assistant prosecuting attorney and was police judge in the late 40s.

ALBERT H. MONSEES, BS Ed., AM '17, on May 13 following a skull fracture suffered in a fall at his home in Kansas City, Mo. Mr. Monsees was repairing porch screens and fell to the cement driveway. A former principal and superintendent of schools, Mr. Monsees was principal of Southwest high school in Kansas City until his retirement in 1950. Mrs. Monsees, of the home at 206 West Sixty-seventh Street Terrace, survives; also a daughter, Mrs. Donald H. McDonald of Missoula, Montana, and two sons, Fulton Monsees and Dr. Wayne Monsees, La Jolla, Calif.

F. W. ATKESON, BS Agr. '18, head of the department of dairy husbandry at Kansas State College since 1935, on April 4 in Manhattan, Kan. Mr. Atkeson had been in failing health since he was involved in a motor car accident in December. He had been honored in January by the Kansas Dairy Cattle Council as a Kansas Dairy leader and had been named to its Hall of Fame. He is

survived by Mrs. Atkeson and a son, George Atkeson, who is in the Air Force.

Mrs. William L. Tisdell, who was FLORENCE EVA WHITTIER, BJ '22, former city editor of the Mexico (Mo.) Intelligencer, on April 7 in Boston, Mass. Mr. Tisdell, who survives at 6 Rowe St., Auburndale 66, Mass., is news editor of the Boston Globe. Survivors also include a daughter, Mrs. Dana White of Easton, Mass., and a son, Winslow Clark Tisdell, of the home.

Dr. JULIUS TWENTE, AB '23, on February 4, 1958. Mrs. Twente, of the home at 514 Terrace Street, Tallahassee, Fla., survives.

F. W. (Ike) SMITH, BS Eng. '23, owner and operator of the New Merchants Hotel in Moberly, Mo., on May 5 following a brief illness. Mr. Smith was widely known in hotel circles throughout the state, and had served as president of the Missouri Hotel Association. Mrs. Smith, and a sister, Mrs. Temple Stephens, both of Moberly, survive.

Mrs. W. A. Berryman, who was ELIZABETH REEVES, '23, at her home in St. Louis on March 24. Mrs. Berryman, formerly of Kansas City, was active in panhellenic organizations of St. Louis. She was also a graduate of William Jewell College in Liberty. Mr. Berryman is an assistant trust officer of the Mercantile Trust Company in St. Louis. Surviving besides Mr. Berryman and their daughter, Virginia, of the home are her father, Judge Albert L. Reeves of Kansas City, a brother, ALBERT L. REEVES, Jr., LLB '32, of San Francisco, and a sister, Mrs. Harold Cripps, Hollywood, Calif.

WALTER C. BRADFIELD BJ '24, on March 2 from a heart attack. He had been employed for many years on the Herald Express and lived at 5266 Sierra Villa Drive, Los Angeles 41, Calif. Mrs. Bradfield survives, also one son, William D., and a daughter, Mrs. Leona Smith.

LOYD LEWIS JENKINS, BS Agr. '24, farmer of northwest Missouri, on April 3 in a two-car collision near Bethany, Mo. Mr. Jenkins was a county extension agent of Mercer County, living in Princeton, Mo., before devoting his full time to farming. Mrs. Jenkins, of the home near Sheridan, Mo., survives. A son, Hal L. Jenkins, lives at Leonard, Mo., and a daughter, Mrs. Betty Shanley, in Kodiak, Alaska.

WILLIAM E. ROSENSTENGEL, AM '27, Ph.D. '31, on April 23 in Chapel Hill, N. C. A former superintendent of public schools, and of Columbia public schools, he was a professor of education at the University of North Carolina. Dr. Rosen-

stengel was the author of several textbooks and articles contributed to educational journals. Mrs. Rosenstengel, of the home at 128 North St., Chapel Hill, survives; he also leaves a son and three granddaughters.

Dr. RAY B. JORDAN, BS Med. '30, physician and surgeon, on March 17 at Windsor, Mo. After completing his internship at General Hospital in Kansas City, Dr. Jordan joined the Staff at State Hospital No. 3 in Nevada, Mo., before returning to Windsor. Here he served a four-county area and was chief of staff of the Windsor Hospital, which he helped establish. His wife and two adopted daughters survive.

ROBERT S. EASTIN, LLB '31, on April 22 at his home in Kansas City, following a heart attack. A member of the law firm of Caldwell, Eastin, Blackwell & Oliver, he had been attorney for the Kansas City Board of Education the past four years. He had not been ill, and had attended a Great Books discussion the evening before. Born in St. Joseph, Mo., he was a member of the board of the University's Law Foundation and was active in law alumni activities. A bachelor, Mr. Eastin lived at 750 West Forty-seventh Street.

Dr. GORDON D. OLDHAM, AB '32, physician and surgeon of Twin Falls, Idaho, on March 6 in Salt Lake City, Utah, following an illness of a few months. He was born in Bosworth, Mo., and received his medical training at Northwestern Medical School in Chicago. Dr. Oldham went to Twin Falls in 1940 to establish his practice. After a year he entered the Air Force and spent four years in military service before returning to Twin Falls. Dr. Oldham was a director of the Fidelity National Bank there and was an active member of community and professional organizations. He is survived by Mrs. Oldham, 1531 Maple St., Twin Falls, and two sons, James Gordon and William Arthur.

SERENA MAUDE FLEET, BS Ed. '33, on March 19, 1958. A sister, Anna E. Fleet, survives at their home at 1008 Iowa St., Rolla, Mo.

BRANDT RIDGWAY, BJ '36, news editor of the Caller-Times, Corpus Christi, Texas, on March 25 in Corpus Christi. Mr. Ridgway, a native of Sedalia, Mo., had been with the Caller-Times since 1943. In ill health for several years and recently totally blind, he continued his newspaper work with the aid of assistants. Surviving are his wife; a son, Raymond, who is in the U. S. Navy; his mother, Mrs. A. B. Ridgway, Corpus Christi; and an uncle, RAYMOND P. BRANDT, BJ, '18, chief of the Washington Bureau of the St. Louis Post-Dispatch.

ATOMIC RADIATION

from page 4

more disturbing is the guided-missile picture. About two years ago, on Feb. 1, 1956, to be exact, the President told the American people: "You can be sure that in every single defense-field, including guided missiles, we are ahead of anybody else."

How could he have been so wrong? The Russians can't perform miracles; they must have been working on missiles for years. Are we to suppose that our intelligence-service and our military experts did not know this, and if they did know, why wasn't the President, and through him, the country informed?

Now there is no occasion to question the good intentions of our government. There can, of course, be circumstances, under which government leaders may feel justified in withholding vital information. But the framers of the American Constitution were convinced by their reading of history, that it is the natural and inevitable tendency of men in authority to withhold information, if in their opinion it is likely to produce a result which they deem undesirable. The Founding Fathers were well aware also of the corrupting influence of power. That is why the Constitution-makers insisted that the people must be informed about everything that concerns them—not as a matter of privilege, but as a matter of natural and inherent right. It is high time that we reasserted that right. For our security policies, with the attendant secrecy, are becoming a contradiction of our basic social aim, *viz.* the growth of freedom. Military superiority would be a dubious advantage if it entailed the loss of that freedom. And when Dr. Libby says in his letter to that great humanitarian Dr. Albert Schweitzer: "We have to choose between the terrible risk of abandoning the defense effort which is so essential under present conditions to the survival of the Free world, against the small controlled risk from weapons-testing," one wonders what kind of a free world can survive in these circumstances.

I have dwelt at some length on this particular aspect of the Atomic Energy problem, because it has an important bearing on all other aspects.

Difficult to Grasp

Turning now to these, it is true, I think, that even the average person realizes we have entered a new age—the Atomic Age. He also realizes vaguely that we are confronted by vast powers of which we have no real understanding. The magnitudes involved are either too incredibly small or too unimaginably large for the mind to grasp. Everything comes either in billions or in billionths.

Again, he has a pretty good hunch that this vast power is probably extremely dangerous. It may produce great benefits, but also irremediable disasters. A high-tension line warms and lights an entire city. It can also kill unfortunate

farmers and cattle and airplane passengers who come in contact with it or even just too close to it. But such a powerline is a mere child's toy compared with atomic energy on a large scale. You would have to have a million trucks, each carrying 10 tons of T N T, to pack the same energy as is contained in a single H-bomb. Those trucks would reach 400 times around the earth, spaced 5 to the mile.

Clearly, we simply must find out about this thing and come to grips with it, because very soon now we shall have to make decisions, and whatever they are, they will be irreversible. We have already passed the point of no return.

Some Vital Questions

Now among the thousands of questions that might be asked, what are the most vital ones? In my opinion they are:

1) Must we continue to devise and test a succession of more and more terrible nuclear weapons—A-bombs, H-bombs, rockets, submarines and so on? Will they make us more secure, and in any case, what are the risks we run in testing them?

2) Can a "clean bomb" be made? If it can, what point is there in making it?

3) What are the benefits to be anticipated from the so-called peaceful uses of atomic energy, and what are the dangers involved in its large-scale production by atomic power-plants, scattered all over the earth?

I shall try to answer these questions briefly and at the same time with a reasonable degree of correctness. In doing this I am using the latest data published by the National Research Council and the National Academy of Science.

I may add parenthetically that additional important material from other authoritative sources has just recently been published.

None of it invalidates, but on the contrary strengthens the arguments I am advancing.

Take the first question. As to the first part of it, I find myself in complete agreement with what Mr. George Kennan, our former Ambassador to Russia, said in London on Dec. 2nd: "To me it is a source of amazement that there are people who still see the escape from cataclysmic war in the continued multiplication of the destructiveness and speed of delivery of the major atomic weapons. And as for those frantic schemes for defense against atomic attack I see no ground whatever for confidence in them. I do not trust the calculations on which they are based. But beyond this, what sort of life is it to which these devotees of the weapons-race would condemn us? Are we to flee from one defensive device to another, each more costly and devastating than the one before? If I thought that this was the best the future held for us, I should be tempted to join those who say: 'Let's give up those weapons altogether!'"

There are plenty of scientists, engi-

neers and even some military experts, who share Mr. Kennan's views. It seems doubtful, to say the least, that national defense, taken literally, is still a meaningful concept. It used to mean that a nation could survive even a long and bitterly fought war, if it had adequate defenses. Now, if war begins, the H-bombs will begin to fall within 18 minutes, and without any warning. No matter what defense measures are used, some of them will reach their targets, and in the opinion of very knowledgeable engineers who thoroughly understand our vastly complex industrial network, just a few of those bombs can injure any country beyond the possibility of recovery. But setting aside these considerations for the moment—and only actual war can prove them either right or wrong—what about testing? It may be taken for granted that nearly all modern weapons, except those used to spread poison gas or bacterial plagues, will employ nuclear explosives. Just how such explosives are delivered to their target will make little difference to those who are hit by them. In any case, the designers of these weapons insist that they must be tested for effectiveness, and as you know, bomb-tests have been going on more or less frequently for some years, in various parts of the world.

In 1945 nuclear explosives equivalent to 55,000 tons of T N T were detonated, in 1954 a thousand times as much, and in 1957 more than in any previous year. The fact is that these so-called "tests" are, as Norman Cousins put it, slowly transforming the sky above us into an open sewer for radio-active poisons.

No doubt this statement sounds a trifle extreme, so I shall present some evidence to support it.

What Explosion Does

Every nuclear explosion injects into the atmosphere trillions of radio-active particles, besides enormous quantities of heat and radiant energy, such as alpha, beta, gamma-rays, all extremely dangerous. Some of this stuff comes down in the vicinity of the detonation-point, say in an area of some hundreds or thousands of square miles. In this area practically everything is annihilated. Farther out, the effect is not so lethal, but still very destructive. Finally, a large fraction of the material—just *how* large a fraction no one knows—is carried into the upper atmosphere, drifts over the entire earth, and after anywhere from a few months to 10 or 20 years, settles down as an invisible ash on every living thing. It gets into every mouthful of food we eat, into our milk and drinking water, into every bone and tissue of our bodies. This is not mere conjecture but established fact. Within 6 months after the Bikini explosion some 3 million square miles of the Pacific Ocean were contaminated. Three years later some of the Marshall Islands, 100 miles away were still too radio-active to occupy. And within a few weeks of an

atomic-bomb test in Nevada, milk in England shows traces of Strontium-90, the most deadly of all artificial radioactive elements. The Swiss Federal Atomic Commission reported on August 17 that nuclear tests have made the rain in Switzerland reach a degree of radioactivity which in their opinion exceeds the permissible limit.

"Yes," says Dr. Libby, the scientific member of the A.E.C., "that is so, but the amount of fall-out is so extremely small that it is completely negligible." Actually, it is estimated that every really big bomb explosion releases about 1,000 pounds of fission products. When this amount is averaged over the whole earth's atmosphere, it does seem quite negligible. Yet it is the equivalent in radioactivity of a billion tons of ordinary radium.

On the other hand, the total amount of the fundamental genetic substance of the entire human race is no greater than a couple of pin-heads. Every mathematician knows that in dealing with very small magnitudes, one must be extremely careful about doing any neglecting, since it may lead to completely false conclusions.

Senator's Position

Senator Hickenlooper of the Joint Congressional Committee goes even further than Libby. He says that weapons-testing involves no risk whatever. The Senator's opinion on this particular question is, of course, not entitled to serious consideration. Nevertheless, he is a government official, and his off-the-cuff pronouncement is a good example of the kind of misinformation of which we get altogether too much.

Just how irresponsible Hickenlooper's claim is, appears from the statement just recently made by Mr. Holifield, the chairman of the Special Radioactivity Subcommittee of the Joint Congressional Committee. He says: "After listening to many eminent experts disagreeing on this subject, I arrived at the conclusion that we need much more scientific knowledge. As a layman I was somewhat shocked to find out how much those experts admitted they did not know. In fact when I thought over how little is known for sure, I wondered how some government officials could be so positive that bomb-tests were so safe."

In any case it is obviously not prudent to ask the same agency, namely the A.E.C., both to develop bombs and also to evaluate the risks of fall-out or of atomic wastes incidental to power production. It cannot serve two conflicting masters. Clearly we are too early in the game for Dr. Libby to know that his assertion about negligibility is true. The weight of the evidence we have and the judgment of hundreds of scientists of the highest integrity and competence is against him.

Fall-out may already have caused a significant increase in deaths from leukemia, bone-cancer and other incurable diseases.

But worst of all are the adverse genetic effects of excessive man-made radiation. By inducing mutations in our genes—and nearly all such mutations are bad—there exists the definite possibility or even probability that the continued tests will eventually produce some millions of defective children over and above those we have now, and we already have far too many. By defective, I mean victims of malformation, neuromuscular diseases, epilepsy, blindness and idiocy. In short, by continuing the tests, we may be seriously impairing the vitality and the fundamental genetic structure of the entire human race. It is true, of course, that our knowledge of human genetics is as yet extremely limited, but for that very reason we ought not to take rash actions which can never be undone. As Claude Bernard, the great French physiologist, observed: the true scientist must always doubt his findings, and when he has no findings, he must refrain from action.

A very common objection to these particular arguments and one that the A.E.C. keeps harping on, is that whatever radiation hazards may be involved in weapons-testing, they are nothing like as large as the risk we run in the case of dental and medical X-rays, and, so they say, that risk is hardly worth mentioning. Both assertions are unproved and I do not think a conscientious scientist would or should make them. As to medical and dental X-rays we know quite definitely that their improper and indiscriminate use is by no means harmless. Radiologists, technicians, dentists and others who daily work with even the best-shielded apparatus, have their life-span shortened on the average by six years. Their children show a significantly higher incidence of defect.

Panel Cites Hazards

At its October 2 meeting in Baltimore, the American Roentgen Ray Society's panel on radiation hazards, declared: Among geneticists there is now general agreement that while X-rays are an extremely valuable medical aid, they *can* cause harm, particularly in producing abnormal hereditary changes in future generations, and all radiologists and dentists are urged to reduce X-ray exposures to the lowest practical amount. These experts estimate that the present medical radiation level will in 30 years result in the birth of 8,000 children annually, with various degrees of defect, or 10% of the present annual number of such births resulting from natural mutations.

In conclusion they stated: Medical and dental radiation exposures must be considerably reduced if the development of atomic energy for power and other peaceful purposes is to proceed without serious danger of exceeding a safe limit.

We may well ask ourselves whether there can possibly be any advantage that is worth so great a price. Still, if our bare survival depended upon further tests, we would undoubtedly make them. But what are the facts? General Norstad,

the commander of the NATO forces, told Congress some time ago that we have enough bombs in stock to wipe out Soviet Russia. The destructive power of the present bombs, of which we possess an estimated 30,000, is so cataclysmic that the President himself has denied any practical point in making bigger ones.

Destructive Capacities

Military experts are, or rather were, until recently, agreed that both Russia and the U. S. now have the necessary atomic stockpile and the delivery capacity which will enable us to destroy 80% of the Soviet Union, while Russia can destroy 50% of the U. S. To be sure, at the moment the American people are, if we can believe the newspapers, fearful that because of Russia's alleged ability to destroy our air-bases and strategic bomber-fleet in short order with long-range missiles, we have lost all means of retaliation. I do not believe this for an instant. Besides, there seems to be no good reason to think that Russia intends to attack us any time soon. After all, why should she? Is she not gaining her objectives by less risky means, in the Middle East, in Africa, and in the Far East? By constantly stirring up trouble among the hungry, ignorant and impatient populations of the underdeveloped countries, she can involve us in endless crises, without firing a shot.

So we shall probably have time to catch up in guided missiles, but for reasons I indicated earlier, I don't see how that will improve our situation for very long.

Now for the second point. A "clean" bomb is just as much a contradiction in terms as an honest thief, and one is no more credible than the other.

It is theoretically true, that by replacing the uranium jacket of the present H-bombs by tritium, or hydrogen 3, the amount of radio-active debris can presumably be greatly diminished, though the resulting bomb would be considerably less powerful and much more costly. However, it must be repeated that the radioactivity resulting from nuclear explosions has not been, and in all probability cannot be, conquered. There will always, in the nature of the case, be a terrific burst of initial radiation.

If the explosion is close to, or on the earth's surface, or beneath it, large quantities of rock, dust and water will be sucked up into the atomic cloud and deposited as contaminated, radio-active particles.

The kind and extent of contamination would depend, so the A.E.C. report says, on a combination of circumstances associated with the energy yield and design of the bomb, the height of the explosion, the nature of the surface beneath the point of burst, and meteorological conditions.

In plain language, this amounts to saying that we really don't know very much about the long-term and long-

range effects of nuclear explosions. Even from the technical standpoint then, there is no such thing as a clean bomb, nor is there likely to be. No foreseeable scientific development can eliminate the instantaneous burst of deadly radioactivity, nor can it eliminate the residual fallout entirely.

I should like now to dwell for a moment on another aspect of this business, which in the end is probably more important than the technical one.

When we talk of "clean" bombs, we are no longer talking like sane people, but like madmen.

To call a device "clean" that in the twinkling of an eye will reduce to ashes millions of live women and children, and men just like you and me, and condemn countless others to a lingering but no less certain death, is to make a monstrous mockery of words. It is likewise an abuse of words, when Mr. Churchill says: "It is to the universality of potential destruction that we may look with hope and even confidence."

Hope indeed! Sir Winston is, of course, on the side of humanity and of reason, but he must know better than anyone else, that the prospect of unlimited catastrophe has never restrained men drunk with power and blind with hate.

We turn all moral values upside down when we pray for peace while at the

same time we prepare for mass murder. If that is the way it has to be, let us at least be as candid as old General Sherman and quit the double-talk about cleanliness. Hypocrisy makes a nasty business even worse.

But even from the purely practical standpoint, the whole effort to produce these weapons makes little sense. For if we succeeded in making really "clean" bombs, that would be just fine for the Russians. They would then use their "dirty" bombs on us with much greater destructive effect than we could achieve by dropping our clean bombs on them. And if both sides *can* agree to use only clean bombs, they can also, and with infinitely better reason, agree to use no bombs at all. In the end they will have to do that anyhow or commit mutual suicide.

The leaders of the great powers solemnly affirmed at the Summit conference in Geneva that nuclear war can no longer be regarded as a rational instrument of national policy. Yet their foreign offices and military planners appear not to believe this. They go on building more and more destructive weapons, each apparently hoping to hold the "balance of terror" over the others. In fact, the A.E.C. through Dr. Libby, maintains that we cannot stop until we have the *ultimate* nuclear weapon. Presumably, this is one that

will blow the whole earth to pieces, and to be logically consistent, we have to test it to see if it will work! This is the sort of madness to which we are exposed whenever we place too much power in the hands of a few men.

The arguments, here set forth, seem so conclusive that last April, the 27 top scientists of Germany, including many Nobel prize winners and men of worldwide fame, among them Otto Hahn himself, publicly declared that they would never again take part in any way in the production, testing, or application of atomic weapons. Come what may, they would refuse to be accomplices in a vast atrocity which threatens the world with overwhelming disaster.

So much for the military use of atomic energy. What about the peace-time uses?

We all know that artificial radioactive substances, the various isotopes of cobalt, iodine and so on, especially those that decay rapidly, have already proved to be very valuable in medical research and therapy. Other beneficial uses will undoubtedly come to light as research progresses. We are only at the beginnings of these things.

But it is atomic energy as a source of power that is of the highest importance.

The world's population is increasing at a fantastic rate. It is doubling every hundred years, and we are within sight

AROUND THE UNIVERSITY, from page 5

The Curators of the University have awarded contracts for additional construction totaling more than \$1,300,000 for the Columbia campus. The approved contracts include the new Electrical Engineering Building, the new Athletic Dressing Room Building, and alterations to the old Parker Hospital Building.

Dr. Owen A. Kearns of Monrovia, Calif., who is at present taking post-graduate work at the University of California, has been appointed Medical Director of the State Crippled Children's Service and associate professor of preventive medicine and public health at the University. His appointment becomes effective July 1. As Director of the Crippled Children's Service he replaces Dr. Frederic E. Simpson who resigned several weeks ago. Dr. Kearns is a native of Utah and took his A.B. and A.M. degrees at the University of Utah with pre-medical work majoring in bacteriology and pathology. He then received M.B. and M.D. degrees from Northwestern, the latter in 1940.

The Curators of the University have approved preliminary plans and specifications for a mall to extend south from the corner of Ninth Street and Conley Avenue to the New Medical Center at the south edge of the campus. President Ellis said the Board has instructed the architects, Hellmuth, Obata & Kassabaum of St. Louis, to proceed with complete plans and specifications for the project. The preliminary plans pro-

vide two eight-foot sidewalks divided by a landscaped area 24 feet wide extending from Conley Avenue to a patio to be built near the entrance to the Medical Sciences Building. There will be only a grade crossing where the mall crosses Rollins Street.

The University 1958-59 academic year for the divisions at Columbia opens at 8 a. m. Sept. 15 and closes with Summer Session Commencement at 8 p. m. Aug. 7, according to the official University calendar just released.

New Student Orientation opens at 8 a. m. Sept. 15, with the Convocation for all New Students at 7 p. m. the same day. Registration begins at 1 p. m. Sept. 16 and closes at 5 p. m. Sept. 17. Classwork starts at 7:40 a. m. Sept. 18.

Saturday, Oct. 11, is New Students Parents' Day. The Thanksgiving holidays begin at 12:30 p. m. Nov. 26 and end at 7:40 a. m. Dec. 1. The Christmas vacation is from 12:30 p. m. Dec. 20 to 7:40 a. m. Jan. 5. Final examinations will begin Jan. 24, and the semester will close at 5 p. m. Jan. 31.

The second semester opens with registration at 8 a. m. Feb. 3. Classes will begin at 7:40 a. m. Feb. 5, and the spring recess will be held from 12:30 p. m. March 26 to 7:40 a. m. March 31.

Final examinations begin May 30. Baccalaureate exercises will be Sunday, June 7. The second semester ends at 5 p. m. June 6, with Commencement June 9.

of the exhaustion of the fossil fuels on which we have so far depended for all power needs.

The question as to how this exponentially increasing population is to be fed, is, of course, one of over-riding importance, and is itself closely related to the atomic problem. But I cannot discuss it here.

As for power, it would seem that atomic energy is quite capable of giving us such an abundance of it in the foreseeable future, that, in theory at least, all hard human labor can be abolished, and with it poverty, disease and insecurity. This is certainly an attractive prospect. Can it be realized?

We already have some atomic power plants, or plants that can be converted to power production. You have seen pictures of them and you know that they are of impressive size.

To operate such installations requires immense quantities of electricity, and in the future this electricity can only be generated by the reactors themselves. That is, much of the atomic power will be needed to generate atomic power. Only the excess will be available for useful work, operating machines, for heating and lighting and so on. This excess power may not really be as abundant as we imagine.

But suppose it is.

Getting Rid of Waste

Every such power plant produces radio-active wastes that have to be disposed of. This is already a serious difficulty and in 50 years it is calculated that we will have 3 billion gallons of intensely radio-active waste material in solution to deal with. What are we going to do with it? Where shall we put it? In the Plutonium plant at Hanford, they bury this hot waste (and it really is fearfully hot) in big concrete cylinders in a remote desert area. But this is not entirely safe and will at best take care of only limited amounts. The only other method we can now think of, is to sink such containers in the ocean depths. Now the pressure at really great depths would crush any kind of container like an egg-shell. The contents would then eventually be carried by the great oceanic currents all over the globe, killing all fish and contaminating coastal cities and harbors. Even at lesser depths, the corrosive effects of sea water would in time liberate the waste material, which, of course, remains radio-active for as much as a hundred years. Last summer the Navy and the Coast Guard conducted a frantic search in the North Atlantic for a large sealed container filled with radio-active waste which failed to sink when it was dumped in the ocean and somehow got away. They fortunately were able to find and dispose of it. But we can't always be so lucky.

On October 18, Britain shut down its big Windscale nuclear reactors, because one of them ran out of control and burned at dangerous temperatures,

shooting radio-active iodine from its huge chimneys. Two hundred square miles of the surrounding country were contaminated, especially pastures, and the milk from 500 farms was dumped into the Irish Sea, an action which is hardly calculated to make friends of the Irish people who have no notable love for the British to begin with. This accident points up the folly of the A.E.C., without prior hearings, authorizing a private corporation to build large atomic power plants in the immediate vicinity of Detroit. Obviously such plants should at the very least be well away from heavily populated areas and farmlands.

Now the proton-proton reaction which occurs in the H-bomb, theoretically eliminates the production of such waste material, and the problem of building power reactors based on this reaction is now being intensively studied. But in this case one danger is merely replaced by another perhaps just as great. For the fusion reactor requires heat of the order of millions of degrees Centigrade. In the H-bomb such heat is needed for only a millionth of a second. But in the fusion power-plant you would have to find some way to confine heat so intense that it would instantly vaporize any container we can build, whether of steel, concrete, glass or any other substance now known. In theory there are ways in which this difficulty might be overcome. Even if it is, every such power plant would be a potential H-bomb that could accidentally blow up with catastrophic results. This is impressively illustrated by the sun which is simply a gigantic fusion power-plant, that burns hydrogen to form helium. The only reason it doesn't blow itself to pieces seems to be because it is so immensely big that gravitational pressures hold it together. But it does have violent eruptions of gas, and when these are particularly acute, it shoots out incandescent flames, hundreds of thousands of miles into space. They cause magnetic hurricanes in the earth's atmosphere, 93,000,000 miles away, disrupt radio communication and may affect our weather.

Potential Extinction

Let me quote here an authoritative statement made by the chief of the Hematology and Medical Sections of the Atomic Energy Project. "Should the terrestrial environment be altered importantly, *all* individuals would perish at once, or one by one. In a species or society, mass senescence could occur and total death follow. This is extinction. There is no reason we know of why a major event could not end all life, which is, to begin with, a highly improbable phenomenon. It is abundantly clear that biological senescence could be greatly accelerated if the background radiation is even slightly increased by the atmospheric pollutions of men who are not primarily interested in the welfare of future generations. Modern war would merely bring about this final de-

nouement in a matter of days or weeks instead of decades or centuries."

In summing up this whole matter, Dr. Bentley Glass of Johns Hopkins, a member of the National Research Council, says: "The hazard from nuclear reactors for power production is a greater potential threat than that from atomic weapons."

So this is the situation: does humanity relish the prospect of forever sitting on an atomic powder-keg, or would it prefer to *work* for a living and be able to sleep nights? The decision cannot be delayed for very long.

In saying these things, I am not unmindful of the fact, that, as I remarked earlier, we are just at the very beginning of the atomic era, and that in ways we cannot now possibly anticipate, science may learn to control the gigantic forces it has unleashed.

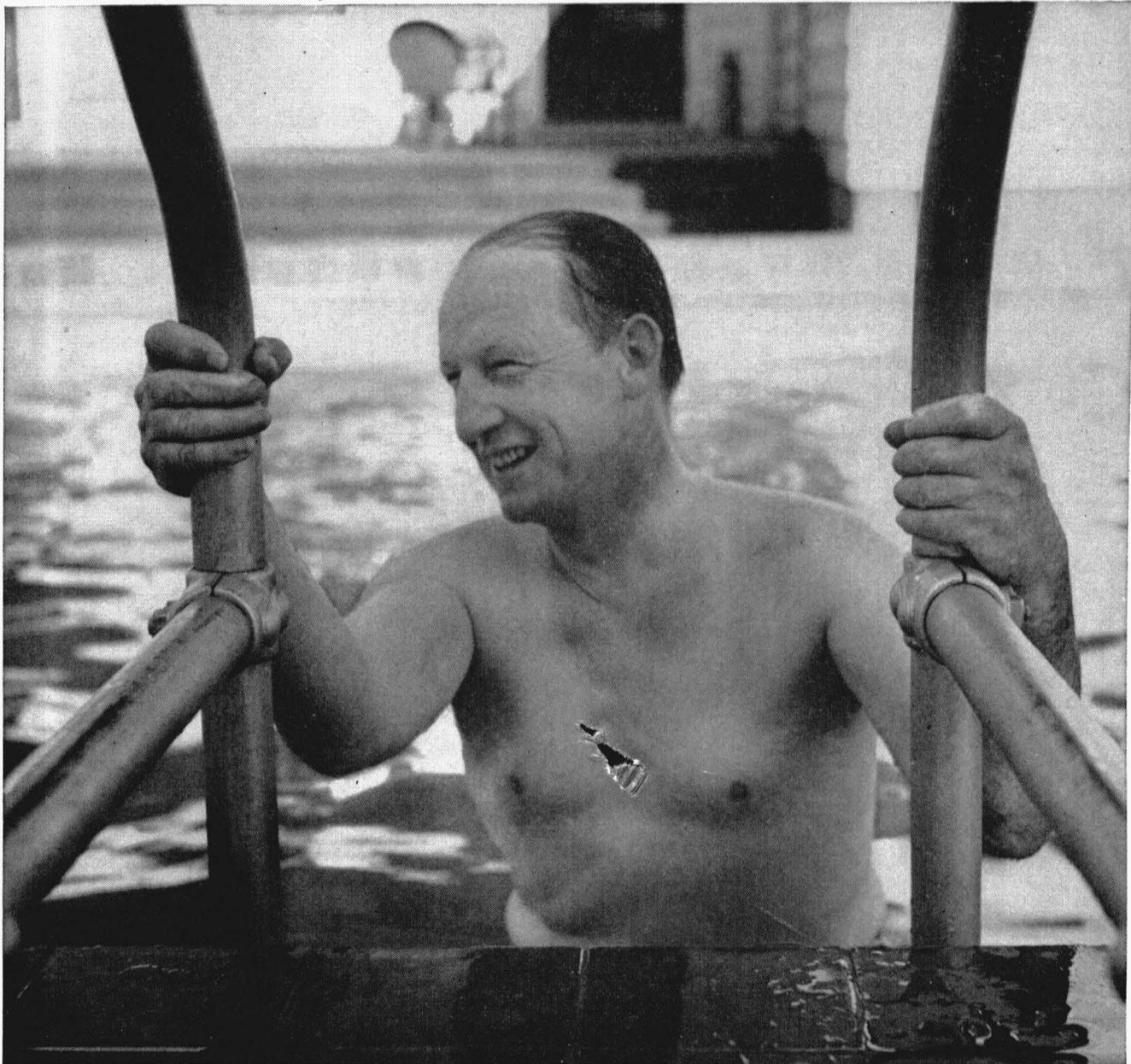
But there is nothing certain about this. We are, after all, only weak, mortal men, not gods.

Game With Loaded Dice

We are engaged in playing an atomic dice game with loaded dice and the odds are very definitely against us. We ought not to play, unless we can be reasonably sure of getting what we are paying for. This game is for keeps.

It is time we began realizing that the earth is really a very small affair. Its resources are strictly limited, and the more we develop our technology, the more attenuated and vulnerable life will become. By that I mean that it will be, indeed already is, embedded in an immensely complex fabric of economic, industrial, technological relations, any disturbance of which can prove disastrous. Whatever one nation does, seriously affects all the others, since geographical barriers have become meaningless. Yet we are as nations still committed to a parochial social and political philosophy that was already obsolete 200 years ago.

In particular, that commonest instrument of national policy, namely war, while it has always been the curse of mankind, must now be regarded as criminal imbecility. Either we learn to avoid it, learn, that is, to consent freely as free people to adjustments and concessions without which civilized life has become impossible, or we face extinction. The history of evolution abounds in examples of animal-species that vanished because of their inability to adapt themselves to new conditions. Those reptilian monsters, bulky as a 60-ton tank and as heavily armored, died of over-specialization. In evolution, nothing fails like success. Somehow the modern nations with their H-bombs, guided missiles, atomic submarines and carriers, with fantastic plans for underground factories and cities, seem more and more to resemble those almost brainless dinosaurs who were once like ourselves, the lords of creation, but in the end proved to be too stupid to survive.



Yes! I had cancer

“Many people believe that cancer is incurable. They’re wrong and I can prove it! And there are 800,000 other Americans like me.

“On a gray morning in November, 1942, a specialist confirmed the diagnosis of cancer made by my family doctor. What he had to say reassured me.

“He explained that, thanks to my habit of having yearly checkups, my doctor had caught the cancer in its early stage. It was localized and operable... and here I am, hale and hearty.”

That was 15 years ago, when only 1 out of 4 persons with cancer was being cured. Today, thanks to improved

methods of treatment, and earlier diagnosis, 1 person in 3 is being saved.

And with present knowledge, it can be 1 in 2, if everyone observes two simple precautions: Have a health check-up annually. Keep alert for cancer’s seven danger signals.

Progress in the American Cancer Society’s fight against cancer depends on the dollars donated for its broad, nation-wide program of research, education and service to the stricken.

Help save more and more lives from cancer. Fight Cancer with a Checkup and a Check. Send a check *now* to “Cancer,” care of your local post office.

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