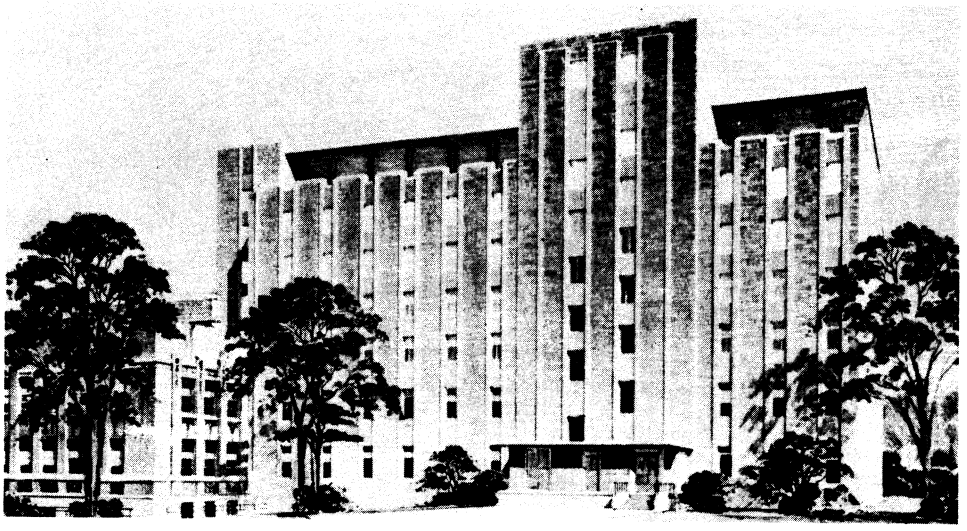
NEWSLETTER

Indiana University Association of Chemists

Aug/963



NEWSLETTER
ASSOCIATION OF INDIANA UNIVERSITY CHEMISTS
Vol. XI, No. 2 Bloomington, Indiana
August, 1963

Association News

Meetings

A meeting of the Association will be held in New York City at the time of the National ACS meetings. The occasion is a Social Hour September 10, and the place will be announced in the ACS Program. The election of officers for the coming year will be held. The last meeting, a luncheon, was held April 3 in Los Angeles and was attended by about fifteen members and friends. Professors Campaigne, Day and Shiner gave short talks on changes and developments in the Department.

Financial Summary (July 27, 1962 - June 30, 1963)

Balance on Hand July 27, 1962		$ 184.41
Receipts:		
Dues after August Newsletter	66.00	
Dues after March Newsletter	199.00	
General Scholarship contributions	377.14	
Special Scholarship contributions	5525.00	6167.14
Total		6351.55
Expenditures:		
To I. U. Office of Scholarships and Financial Aids	5525.00	
To ACS - deficit on Atlantic City Social Hour, 1962	27.50	
To I. U. Alumni Office, August Newsletter	168.99	
To I. U. Alumni Office, March Newsletter	171.22	
Bank Charges	6.74	5899.45
Balance on Hand June 30, 1963		452.10

Note: The AIUC owes a debt of gratitude to R. B. Fischer for his faithfulness and accuracy in handling our funds throughout the time he had this responsibility. As Indicated elsewhere in this Newsletter, he has resigned his faculty position here to accept new and challenging opportunities elsewhere.

Harry G. Day, Acting Treasurer

CHEMISTRY SCHOLARSHIP AND GRANTS-IN-AID PROGRAM:

The Program has grown substantially and excellent cooperative arrangements have been established with the I. U. Office of Scholarships and Financial Aids.

During the year the University was bequeathed the income from certain property for one annual scholarship each in Chemistry and in English to be designated the Courson-Greeves Scholarship. The share for this Department will be known as the Courson-Greeves Chemistry Scholarship Prize. The recipient for 1963-64 is Daniel Lee Davis, a graduate of Hobart (Indiana) High School in 1960, whose grade point average during his first three years is 3.78. The prize of $1000 for Daniel is richly deserved.

The Dow Chemistry Scholarship ($2000) for 1963-67 was awarded to Steven A. Fike of Garrett, Indiana. He was a member of our High School Science Student Institute last summer, a finalist in the 1963 National Science Fair, and an all-conference football lineman last year.

Four outstanding students who will begin their college work here this fall are receipents of $1600 in AIUC scholarships. Two upperclassmen, who are expected to graduate next year, were given AIUC scholarships amounting to $750. Both are in the Chemistry Honors Program and each will go on to graduate school.

Five very worthy majors in chemistry were given AIUC grants-in-aid amounting to $1500. Each has great financial need and each has unusually good intellectual

ability. However, their grade point averages are a little below the minimum of 3.3 which is required for awards to be designated scholarships. Without doubt each would have a better scholastic record had it not been necessary to hold time-consuming jobs to earn needed money.

Thus the total AIUC commitment for scholarships and grants-in-aid in 1963-64 is $3850. This will be divided between four freshmen and seven upperclassmen. Probably two or three additional grants will be made soon to aid students who are unable to earn money this summer and for whom the Office of Scholarships and Financial Aids is unable to provide sufficient assistance from other sources.

We could easily use several times the current expenditures in this program if funds were available.

BRISCOE MEMORIAL PROFESSORSHIP

The Indiana University Foundation is completing the establishment of an adequate fund for the endowment of a professorship in chemistry to memorialize Dr. Briscoe. A "low-pressure" campaign for funds was initiated shortly after his death in 1960. We hope that all who desire to make an initial contribution or increase an earlier gift will do so before the end of this year. Contributions and pledges should be sent to the I.U. Foundation. If our fond hopes are realized the establishment of the professorship will be celebrated in connection with the dedication of the new Chemistry Addition, probably sometime during 1964-65.

Harry G. Day

AIUC DIRECTORY

The response to our request for information for the Directory was gratifying, but we wish we had heard from more of you. To those who answered the brief questionnaire our sincere thanks. Checking over the reply cards has been a real pleasure - like meeting old friends.

It is interesting to see the great variety of activities engaged in by our alumni, and surprising to find how you have scattered all over the country. We especially appreciated the items of personal news, some of which are included in this issue. When space permits in later issues more of this news will be shared with you.

The Directory is in the process of being assembled. We hope more of you will send us information for it -- your present address and your position -- your I. U. degree and the year you received it, and any special news of your activities.

NEWS OF THE DEPARTMENT

V. Jack Shiner, Jr.

Our new chairman, his wife Reva, and their four children, live comfortably in a pleasant area near Bloomington on the road to Ellettsville. Jack was born in Texas 38 years ago. After doing his part in the Navy during World War II he finished his college work (B.S.) at Texas Western College in 1947 and three years later he received his PhD. degree at Cornell University. A Fulbright Award permitted him to spend the next year at University College (London) where he was awarded the Sir William Ramsay medal for outstanding research. He worked with Professors Ingold and Hughes. The following year he held

a duPont post-doctoral fellowship for independent research in Professor Bartlett's laboratory at Harvard. Then in 1952, with opportunities to receive faculty appointments at several prominent Universities, he accepted an instructorship at Indiana.

In 1957 he was granted an Alfred P. Sloan Fellowship in support of his research over a two-year period. Then in 1958 he was awarded both a National Science Foundation Senior (faculty) Fellowship and a Guggenheim Fellowship to enable him to have an entire year on sabbatical leave during 1958-59. He accepted the former and divided his research time between the University of Montpelier and University College (London). In the meantime he rose from the rank of instructor to professor in eight years. During this time, and in subsequent years, he has lectured by invitation before numerous groups including the Gordon Research Conference, IUPAC, Queen Mary College (London), National Conference on Organic Reaction Mechanisms, and various local sections of the ACS.

Students who have received their doctoral degrees under Jack's direction are: B. L. Murr, M. L. Smith, C. J. Verbanic, C. R. Wasmuth, and J. W. Wilson. The post-doctoral workers who came here to be directed by him include: V. P. Fernandez, M. Granier, R. R. Hiatt, G. Lamaty, B. Martin and D. Whittaker.

Throughout his connection with the Department Jack has been genuinely interested in all of its major responsibilities including the progress of the AIUC. He has attended a number of our luncheons and social hours. He has advised students, served on various committees, taught several different courses, encouraged and aided a number of exceptional undergraduates in research, and in his active research program he has perhaps worked even harder than any of his students. During 1961-62 he was our first Undergraduate Chemistry Advisor. Therefore, it was natural to select him to serve

in the departmental chairmanship following the completion of the writer's second term in that position.

The headship of the Department is in capable hands. As I stated in this Newsletter last August, we need to support Jack unstintingly. And that is easy.

Harry G. Day

Professor Ward Schaap was the recipient of the Ulysses G. Weatherly Award at the I. U. Founders' Day program, May 1. This was one of three faculty awards presented by President Stahr in recognition of excellence in teaching. Also during the ceremony Joseph DiSalvo, a graduate student working with Dr. Schaap, was among three teaching assistants cited for outstanding teaching ability. Recently Dr. Schaap was promoted to a full professorship and Dr. Russell Bonham was elevated to Associate Professor. Professor Walter J. Moore was honored this spring by being named Research Professor of Chemistry.

Professor Robert B. Fischer, who has been a member of the chemistry faculty since 1948 and who has been Director of Laboratories for the past two and a half years, has accepted a position as Associate Dean of Instruction at California State College at Palos Verdes (Los Angeles), California. This is a newly established institution which is now in the process of being organized and built. It is planned that classes will start in September, 1965. Dr. Fischer will be involved in preparing for the opening of the new school and will participate in the organizational and administrative aspects of its operation. Our best wishes to him for success and happiness in his new position. Professor C. E. Kaslow has taken Dr. Fischer's place as Director of Laboratori

At this writing Professor and Mrs. Harry G. Day are getting ready to visit parts of Europe and Great

Britain in July and August. Dr. Day will attend the Sixth International Congress on Nutrition in Edinburgh, Scotland, August 9-16. Dean Lynne L. Merritt was on leave of absence from February through July to carry on research in electron microscopy at Centre National de la Recherche Scientifique in Paris. Professor Ernest Wenkert has recently returned from a leave of absence on a Fulbright Fellowship. He was at the Centre National de la Recherche Scientifique at Gif-Sur-Yvette, France, from April 15 to June 12, to carry out studies on natural products. He visited the Department of Chemistry, Technion, Haifa, Israel, June 12 to 19 and the Department of Organic Chemistry, Weizmann Institute of Science, Rehovoth, Israel, June 19 to July 4. He also attended the 19th IUPAC Conference in London July 14 to 17. Professor Harrison Shull spent June in Paris at the Centre de Mecanique Ondulatoire Appliquee. He participated in a symposium sponsored by NATO on "Application of Wave Mechanical Methods to the Study of Molecular Properties" held at Menton, France, July 1-16, and was later at the University of Colorado.

Professors Day and E. E. Campaigne served as Visiting Scientists during the spring semester for a program sponsored by the ACS Division of Chemical Education. Dr. Day visited Lees-McRae College, Banner-Elk, North Carolina, in February; Fairleigh Dickinson University, Madison, New Jersey, in March; and New York State College at Oswego in April. Under the same program he also visited eleven high schools in Columbus, Ohio, in May where he spoke on "Science and Liberal Education". Dr. Campaigne visited New Mexico State University at Las Cruces and Texas Western College at El Paso in February. In March he visited Gustavus Adolphus College, St. Peter, Minnesota.

The Department expects to move into the new addition about December 1. Some delay in the schedule resulted from fires and from a brief labor strike in the

Bloomington area. The finishing of the interior is progressing, with work on the electrical and plumbing systems going well. It is anticipated that the furniture and benches will be installed on the three top floors by mid-August. An additional grant of $100,000 from the National Science Foundation and promise of financial support from the I. U. Foundation have made possible the completion of the building and the installation of adequate equipment, such as chemical benches, hoods, etc.

ALUMNI NOTES

Donald E. Dieball (PhD '57) has joined the International Minerals and Chemical Corporation, Skokie, Illinois, as an inorganic research chemist. Robert L. Mann (BS '45) has been appointed assistant director of the Chemical Research Division of Eli Lilly and Company, Indianapolis. Edward M. Schulz (AM '50) recently joined the Dow Chemical Company to work on a special assignment. Edward G. High (PhD '50), Professor and Acting Chairman of the Meharry Medical College Biochemistry Department, served as Visiting Scientist of the Tennessee Academy of Science during the past year. This involved lecturing in several high schools in Tennessee. Also he was banquet speaker for the Chemical Progress Week Program held at Tennessee A. and I. State University, speaking on "New Horizons Through Chemistry". With the aid of a grant from the A. E. C. he introduced a Radiation Training Program in the Biochemistry Department. Mrs. Richard Kitchell, nee Barbara Bielaski, has gone to Europe with her husband, a lieutenant in the U.S. Army.

Linneaus C. Dorman (PhD '61) is now with the Dow Chemical Company; his address is 2109 Belaire Street, Midland, Michigan. Guy McLemore (AM '60), has begun studies at Cornell University. He has re-

ceived the Junior Shell Merit Residency which will enable him to work toward the doctorate in science education. This summer he attended the Chemical Bond Institute at Brown University. Raymond L. Morphew (AB '41, MD '44) is practicing medicine in Corpus Christi, Texas. He reported that there are several MDs from I. U. in his community. (We are indebted to Professor Schmidt for this news item. He happened to make contact with Dr. Morphew by ham radio.)

Richard Clevenger (AB '59) has recently completed requirements for the PhD at the University of Louisville. He has been appointed Assistant Professor in the Chemistry Department of East Texas State College under Dr. Charles Rohrer. Jack Cook (PhD '44) from Depauw University taught at I. U. during the summer session.

George Bulbenko sent a newsy letter telling about a "Plu-style picnic" held at Washington's Crossing, New Jersey, State Park, June 2, by some of the chemistry alumni who are in that area. Those present were: Herb Moss (PhD '60), wife Gerry and two children; Steve Osborn (PhD '62), wife Norma and two children; George Bulbenko (PhD '58), wife Angelina and two children; Leonard Weinstock (PhD '58), wife Joan and one child; Richard Shaw (PhD '60), wife Gail and three children; Dan Shew (PhD '59), wife Betty and two children; Carl Verbanic (PhD '56), and wife Joan; Cecil Upton (PhD '59), wife Pat and three children; Jim VanVerth (PhD '57) and his date; and Jim Turner (PhD '58) -- a grand total of nineteen adults and fourteen children. The Verbanics has recently moved to New Jersey from Buffalo, New York, since Carl has joined Fisher Chemical Company, New York City. The Uptons came from Lancaster, Pennsylvania, where Cecil is with Armstrong Cork Company. Jim VanVerth will leave Yale this fall to teach at St. Canisius College, Buffalo, New York. Ben Edwards (PhD '62) and his

family were unable to be at the picnic because they were preparing to move to San Antonio, Texas, where Ben will be in the Southwest Foundation for Research -- he has been at Columbia University. George said the group hopes to make this an annual affair, so if you live in the Philadelphia/New York City area and would like to join in the fun next year, send a note to George Bulbenko (address: 48 Round Hill Road, Levittown, Pennsylvania.)

Ronald Hackler (BS '62) is teaching assistant at the University of Illinois. He worked this summer with Eli Lilly and Company in Indianapolis. Yukiko Ebisuzaki (PhD '62) is now at Arizona State University; she was formerly at the University of Pennsylvania. Theodore L. Folkerth (MS'62) is a student in I. U. Medical School. Charles H.H. Griffith (AM'54), who has been chemistry instructor in the Talawanda District Board of Education at Oxford, Ohio, will do graduate work at Brown University as a member of the 1963-64 Academic Year Institute. Elizabeth A. Hall, nee Tillman, (AB '41) is a chemistry teacher in Glenview, Illinois. She attended the NSF Chemistry Institute at the University of Hawaii in the summer of '62. Hugh Hamill (AB '15) retired in 1954 as Director of the Climax Molybdenum Company. He now lives at Inverness, Florida.

Joseph Heitger (AB '04), a physician in Louisville, Kentucky, has been disabled by the loss of a leg. We are glad to learn that he is improving rapidly and will soon be able to resume his practice. Antrim H. Jones (AB '40) is Senior Research Chemist in the General Motors Research Laboratories at Warren, Michigan. His work is to develop methods of analysis, and he is currently working in atomic absorption spectrophotometry. Cecil V. King (AB '19) is now Director of Research at American Gas and Chemicals, Inc., New York City. He recently retired as Professor of Chemistry at New York University after 35 years. Margarethe Kulke,

nee Leidke,(AM '59) is a candidate for the PhD degree in Biochemistry at Stanford University Medical School. Wolfgang Buttner, who was a post-doctoral fellow in the Department in 1956-58, working with Dr. Muhler, is teaching at the Justus Liebig University, Giessen, Germany, in dentistry. Henry M. French (AB '39), who was formerly General Manager of Production in the Florida Rock Products Corporation, is now Vice President for Public Relations, Research, Prospecting and Purchasing of Shands and Baker, Inc., the parent company at Jacksonville, Florida.

Robert P. Giordano (AB '48) is a surgeon in Sarasota, Florida. After completing his undergraduate work at I. U. and in 1952 receiving the MD degree from the University of Chicago, he held posts in hospitals in Baltimore, Boston, and New York City; he was Chief Resident-Instructor in Genito-Urinary Surgery at Louisiana University Hospital, New Orleans, until 1959. Harold Gray (AB '22), is consulting engineer, having retired as Technical Director of the B. F. Goodrich Tire Company in Akron, Ohio, in 1957. Vida Helms (AB '61) is Resident Student, Chelsea College of Science and Technology, University of London, Robert C. Karsberg (AB '60) is a senior medical student at the University of Michigan Medical School. Talbert W. Abbott (AB '18) Professor Emeritus, was Professor of Chemistry and Dean of the College of Liberal Arts and Sciences of Southern Illinois University until his retirement last year. Thomas W. Alley (AB '60) is an interne at Methodist Hospital, Indianapolis, after graduating from I. U. Medical School in June. Darwin B. Appleton (AM '31) is chairman of the science department and teacher of chemistry at Proviso West High School, Hillside, Illinois. He also is Educational Consultant at Argonne National Laboratory in the summer. Robert H. Baker, Jr., (PhD '60) is now

Research Associate in Physical Chemistry with the Upjohn Company at Kalamazoo, Michigan. Larry Ballard (AB '57) received the PhD degree at Michigan State University in June and is now with duPont at Wilmington, Delaware. Charles E. Becker (PhD '51), Associate Professor in the School of Dentistry, University of Detroit, has been promoted from Major to Lt. Colonel in the Medical Service Corps, U. S. Army Reserve. Daniel Benefiel (BS '50), Major, U. S. Ord. Co., U. S. Army, is currently assigned to Command and General Staff College at Ft. Leavenworth, Kansas, after serving in the 101st Airborne for the past three years. Harry W. Gordon (BS '60) is studying medicine at the I. U. Medical School. Harold J. Blumenthal (BS '47) Associate Professor of Microbiology at the University of Michigan, goes to St. George's Hospital Medical School, University of London, this fall to spend a sabbatical year. Edward G. Bobalek (PhD '42), until recently Professor of Chemical Engineering at Case Institute of Technology, is now at the University of Maine as D. S. Gottesman Research Professor in the Department of Chemical Engineering. Thomas Cortese, Jr., (AB '56), is a junior at I. U. Medical School after having received the PhD degree in Biochemistry at Wayne State University. Guenther Lengnick (BS '57), is a graduate student in chemistry at Cornell University. Michael F. Lucid (BS '61) is a graduate teaching assistant at Purdue University. Edward T. Marquis (AB '61), who has been teaching in the Academy of St. Benedict, Waunakee, Wisconsin, enrolled in the University of Texas Graduate School in June. The Marquises have a little daughter, Anne Marie, born last December.

Richard H. McIllroy, Jr., (AB '62) is a student

in the I. U. Medical School. Karl S. Means (AM '15) has retired as Professor of Chemistry at Butler University. Larry Moore (AM '55) is an organic chemist with Eli Lilly and Company doing development work. The Moores have a son born in October, 1962. They have recently bought a house in Bargersville. Irena Morrison, nee Lukosevicius, (MA '60) is a candidate for the PhD degree at the University of North Carolina. Herbert Moss (PhD '60), RCA Laboratories, Princeton, New Jersey, and Geraldine Moss, nee Germek, (BS '59), report they have a daughter, Jennifer Ellen, born June, 1961, and a son, David, born December, 1962. John R. Neeley (BS '60) was promoted to Industrial Sales Representative at the Sohio Chemical Company, Lima, Ohio, in August, 1962. Sal Pedicini (AM '39), who was formerly a research chemist for the Bakelite Corporation, is now practicing medicine in Newark, New Jersey, after receiving the MD degree in 1957.

Alumni who have visited the Department during recent months include: Howard M. Dess (BS '51), Union Carbide Metals, Niagara Falls, New York; R. G. Thompson (BS '48), CIBA Products Company, Chicago, Illinois; Richard A. Mueller (BS '61), Eli Lilly and Company, Indianapolis; Dale J. Fisher (PhD '51), Oak Ridge National Laboratories, Tennessee; Rex Bradt (AB '30), Warsaw, Indiana; Moon Taik Shim (PhD '57) Yonsei University, Seoul, Korea; Dr. Charles E. Frohman (AM '48) and Mrs. Frohman, nee Evelyn Sisson, (BS '43), Lafayette Clinic, Detroit.

We were sorry to learn of the death of Grover Hutcherson (AB '10). He took a great interest in I. U. affairs and was a frequent visitor in the Department at Commencement times. He was born in Windfall, Indiana, and established two canning factories in the Elwood, Indiana, area.

NEW ALUMNI

Among students who have recently left the department to carry on work elsewhere are: Peter McKinney (PhD '63) who has accepted an instructorship in chemistry at Harvard; Leo Fedor (PhD '63), who has gone to Cornell to teach and carry on research; James Wolfe (PhD '63), who has a post-doctoral assignment at Duke University; Raymond Cole (MS '63) and Gretchen Schaeffer Cole (MAT '63), who have gone to Richmond, Virginia, where Ray has a position with duPont; Emil Wildman, who is with Allied Chemical Corporation in Morristown, New Jersey, and lives in Whippany; Allen Kryger, who recently finished the requirements for the doctor's degree from Iowa State University here under Dr. Wenkert and has gone to Zurich, Switzerland, for a year of post-doctoral research; Alfred Levinson (PhD '63), who has returned to his native state to teach and carry on research at Portland State College in Oregon.

Others who have finished graduate degrees and have left the Department are: Richard Awl (MS '63) who is working at the Department of Agriculture Regional Laboratory at Peoria, Illinois: Samuel Berkowitz (MS '63) who is with Goodyear, Akron, Ohio; William Gangwisch (MS '63), who has a position with Colgate-Palmolive Company in New Jersey; Frank Momany (PhD '63) who has an appointment as Assistant Professor at Colorado State College: Robert Prokop (PhD '63) who is with the Minnesota Mining and Manufacturing Company; and Jae Shi Choi (PhD '63) who is in the Department of Chemistry of Yonsei University, Seoul, Korea.

Edward Neiss and Richard Weddleton received Master's degrees in June and are continuing their work toward the PhD with Professor Campaigne. Donald Gaines (PhD '63) is continuing post-doctoral research with Professor Schaeffer, and John Meisenheimer (PhD '63) has been carrying on post-doctoral research with Professor Billman during the summer. He will join the faculty of Eastern Kentucky State

College this fall. Others who have completed work for advanced degrees recently are Marilyn Pyle (MAT) and Donald Montgomery (PhD). Dr. Montgomery is a chemist at the Union Carbide Company, Charleston, West Virginia.

Eight BS and Forty-four AB degrees in chemistry were awarded in June. A list of the new bachelors follows with the respective future plans of each as far as we have information about them. BS degrees to: Donald W. Ernest - American Can Company; Philip G. Hafley - Iowa State University; George A. Hahn - St. Louis U.; Paul F. Pramuk; Donald L. Reynolds - U. S. Air Force; James K. Rice- Cal. Tech.; Fai-Yu Siu - Eli Lilly; Joseph E. Spradlin - Indiana University.

AB degrees to: John P. Abel - U. S. Army; Richard Balakir - to teach at Crown Point, Indiana; Jane Benham - Fulbright Fellowship to study in Germany; Martin G. Berian; Elizabeth Bond - technician at I. U. Medical Center; William H. Bond - I. U. Dental School; Homer N. Cole; Phillip J. Crabel - in the family nursery business; Carolyn Cunningham - I. U. Medical School; James A. Drummond - I. U. Medical School; John Feagler; John P. Fleming - I. U. Medical School; Larry C. Franks - I. U. Medical School; Stephen B. Givens - I. U. Law School; James R. Greenlee - I. U. Medical School; Charles W. Gwaltney - I. U. School of Education; Anne C. Harstead - Bucknell U.; Mark E. Hayes - Eli Lilly; Wayne W. Herman - I. U. School of Dentistry; Craig T. Hinshaw - U.S. Air Force; Chester Jastremski - I. U. Experimental Medicine Program; James R. Johnson; Penelope Kaplit - Pfizer Pharmaceuticals, Groton, Connecticut; Anne M. Kask; Vernal Layton - I. U. School of Business; Linda Lehman - I. U.; Lillian Shui Ming Loh; Steven C. Long - U. S. Army Quartermaster School; Richard O. McClure - I. U.

Medical School; Max Middendorf; Charles A. Miller - Northwestern U.; Robert J. Miller - I. U. Experimental Medicine Program; John W. Moore - to work with his father; Paul W. Moore - Allied Chemical Company, Hopewell, Va.; John W. Morgan - Princeton U.; James R. Overman - U. of Michigan; Donald A. Parsons - I. U. Experimental Medicine Program; Janet Sue Pittman - Iowa State U.; Thomas E. Ratts - I. U. Medical School; John W. Rector - to teach in an Indiana high school; Stephen L. Scott - I. U. Medical School; Dennis A. Stouder - I. U. Experimental Medicine Program; Joseph W. Votaw - George Washington Law School; Bonnie J. Winslow - to teach in Harvey, Illinois, high school.

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