

NIH



record

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UGF CAMPAIGN LAUNCHED AT NIH

"Over the top for UGF this year" was the theme keymen carried away with them from the big kickoff meeting in the CC Auditorium that officially launched the Second Annual United Givers Fund Campaign Drive at NIH on Wednesday, October 2.

Surgeon General Leroy E. Burney, in his address to the group, explained that UGF unites the fund-raising campaigns of 140 charitable organizations in the Metropolitan Washington area. "As the only quota drive to be conducted in Government this year," he said, "this is the sole opportunity we will have to assume our full share of responsibility for the vital humanitarian services provided by the health, welfare, and recreation agencies in our community."

GIVE

U -- G -- F

NIH's quota for this year is \$63,968, an increase of 23 percent over last year. This is in line with the increased over-all goal of \$7 million for the Washington area, in order to support eight additional agencies that have joined the one big drive, and to meet more adequately the needs of a growing community.

As the largest single component of HEW, NIH's record in the UGF Drive will substantially affect the record of the Department as a whole. Last year NIH did not reach its quota. This year our sights are set OVER THE TOP.

Visitors Attend Harvey Commemoration



At the recent William Harvey Tercentenary Commemoration at NIH (left to right) Dr. T. F. Hilbish and Dr. James A. Shannon chat with Frederick G. Kilgour of the Yale Medical Library, and Col. F. B. Rogers, Director of the National Library of Medicine.

Two NIMH Scientists Receive Fellowships

Drs. John A. Clausen and Charles Savage, NIMH, recently departed for Stanford, Calif., to accept fellowships for the academic year 1957-58 at the Center for Advanced Study in the Behavioral Sciences.

They will join a group of 48 scholars and scientists, selected from all parts of the United States and abroad to conduct research in the field of human behavior.

Dr. Clausen has been Chief of the Laboratory of Socio-Environmental Studies since 1951. He is regarded as one of the country's leading research sociologists working in the field of mental health.

Dr. Savage, a medical psychiatrist acting as Chief of the Adult Psychiatry Branch, came to NIH in 1953. He previously served as a research psychiatrist in the U. S. Navy.

(See Fellowships, Page 4)

NIH EMPLOYEES SHARE \$840 IN GROUP AWARDS

Fifteen members of the Telephone Unit, DBO, and two employees in the NIAID Laboratory of Infectious Diseases received cash awards September 26 at group ceremonies.

NIH's deserving telephone operators, honored for superior performance, divided a group award totaling \$740. During a period of expansion of communication services, they have rendered superior service often requiring unusual dedication, teamwork, and cooperation.

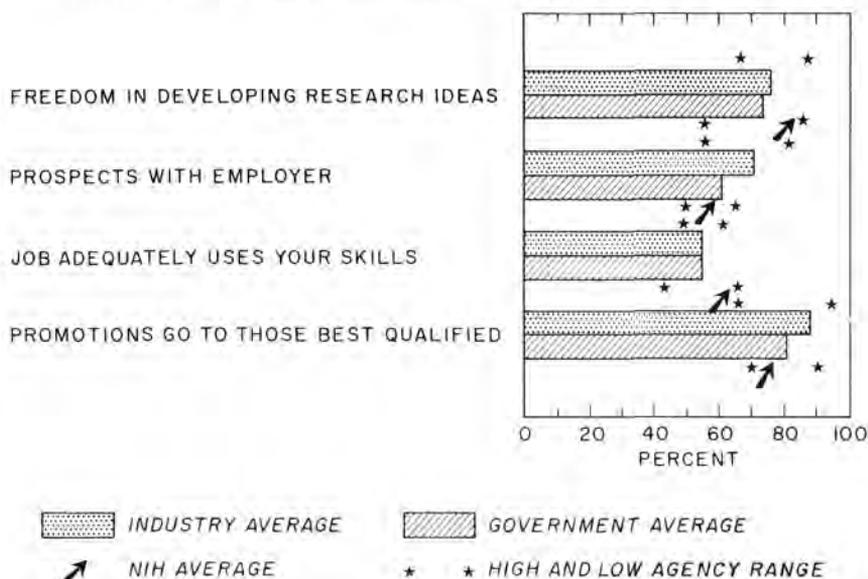
Lena J. Wetherell and Walter T. Bowman, research technicians in the Virus and Rickettsial Diseases Section, NIAID, received a \$100 group award for special service. Serious delay of an important research project was prevented when they obtained blood from a local source and prepared it for use by the Laboratory.

(See Picture, Page 4)

ATTITUDES OF RESEARCH STAFFS SURVEYED

TYPICAL ATTITUDES SURVEYED

FAVORABLE RESPONSES



With the recent release by the White House of interagency comparisons, NIH can now see how the job attitudes of its research staff compare with those of scientists and engineers in other Government agencies and several industrial laboratories.

These findings, partly summarized in the chart, are the results of an extensive attitude survey. In the fall of 1956, over 1,000 scientists and engineers at NIH, 16,000 in eight other Government agencies, and 3,000 in eight private research laboratories participated on an anonymous basis.

The attitude survey, one of the most comprehensive ever made, is part of a White House committee's study to help improve the Federal Government's recruitment and retention of scientists and engineers.

There is a striking similarity between the views of these professionals in Government and industry toward such job factors as supervision, utilization, physical environment, professional freedom, and professional development. With regard to pay and promotion prospects, however, the people in industry are a much more satisfied group.

Among the Government agencies, NIH ranked very high in satisfaction with professional environment, utilization, and physical resources. We ranked toward the middle with

regard to pay, supervision, and career prospects. In promotion practices, certain classification procedures, and interest in training programs, our satisfaction was relatively low.

At NIH the attitude questionnaires were given to all persons engaged in intramural research who were Commissioned Officers, or were GS-5 or above, and who had at least a bachelor's degree in science or engineering. Questionnaires were filled in by 1,051 persons, or 89 percent of the recipients.

A summary report on the NIH findings, now in press, will be distributed to all who participated in the study. A limited supply of extra copies will be available through the administrative offices of the Institutes, Divisions, and the Clinical Center.

Dr. Shannon, NIH Director, said he hopes the results are widely discussed at all levels at NIH as an aid in determining how our working environment might best be improved.

NIH RECORD

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Publication Preview

The following manuscripts were received by the SRB Editorial Section between July 25 and August 7.

CC

Anderson, L. C. The nurse and research.

NCI

Calabresi, P. Chronic erythroleukemia with leukemia preceding erythremia.

Cancer Chemotherapy National Service Center. Minimum standards for the commercial production of randombred and inbred laboratory mice.

Cutler, S. J.; Griswold, M. H.; and Eisenberg, H. An interpretation of survival rates--cancer of the breast.

Dhyse, F. G., and Hertz, R. The effects of actithiazic acid on egg white induced biotin deficiency and upon the microbial formation of biotin vitamins in the rat.

Endicott, K. M. Chemotherapy--A new era in cancer research.

Fohey, J. L.; Nathans, D.; and Rairigh, D. Effect of L-arginine on elevated blood ammonia levels in man.

Goldin, A., and Burton, R. M. A review of synergism with reference to inhibition and narcosis.

Kielley, R. K. The inhibitory effect of some aminoazo and other carcinogens on glutamic oxidation in mitochondria of riboflavin-deficient rat liver.

Main, J. M., and Prehn, R. T. The fate of skin homografts in X-irradiated mice treated with homologous marrow.

Milch, R. A.; Rall, D. P.; and Tobie, J. E. Fluorescence of tetracycline antibiotics in bone. O'Gara, R. W.; Horn, R. C., Jr.; and Enterline, H. T. Tumors of the anterior mediastinum.

Rabson, A. S.; Van Scott, E. J.; and Smith, R. R. Carcinoma of the anorectal junction with features of "extramammary Paget's disease."

Woods, M. W. The metabolism of cancer: An interpretation at the mitochondrial level.

NHI

Burns, J. J. Missing step for the biosynthesis of L-ascorbic acid in man, monkey, and guinea pig.

Grant, R. P.; Sanders, R. J.; Morrow, A. G.; and Braunwald, E. Symposium on diagnostic methods in the study of left-to-right shunts.

Mitoma, C.; Posner, H. S.; and Leonard, F. Aromatization of hexahydrobenzoic acid by mammalian liver mitochondria.

Shore, P. A.; Mead, J. A. R.; Kuntzman, R. G.; Spector, S.; and Brodie, B. B. On the physiological significance of monoamine oxidase in brain.

Titus, E. O. Counter current distribution. Vaughan, M.; Steinberg, D.; and Logan, J. Liquid scintillation counting of C¹⁴- and H³-labeled amino acids and proteins.

NIAMD

Emmons, C. W., and Campbell, C. C. Histoplasmosis in the District of Columbia, Maryland, and Virginia.

Hartley, J. W.; Rowe, W. P.; and Huebner, R. J. Serial propagation of the guinea pig salivary gland virus in tissue culture.

Lones, G. W., and Rogers, A. L. A method for the purification of polyoxyethylene sorbitan monooleate.

Merchant, R. K.; Louria, D. B.; Geisler, P. E.; Edgcomb, J. E.; and Utz, J. P. Fungal endocarditis: Review of the literature and report of three cases.

Merchant, R. K.; Rowe, W. P.; Kasel, J. A.; and Utz, J. P. Pharyngoconjunctival fever due to type 1 adenovirus: Report of 3 cases.

Milch, R. A.; Rall, D. P.; and Tobie, J. E. Fluorescence of tetracycline antibiotics in bone.

Pine, L., and Peacock, C. Studies on the growth of *Histoplasma capsulatum*. IV. Factors influencing conversion of the mycelial phase to the yeast phase.

NIAMD

Becker, E. D. Infrared studies of hydrogen bonding in methanol, ethanol, and t-butanol.

Becker, E. D.; Liddel, U.; and Schoolery, J. N. Nuclear magnetic resonance studies of hydrogen bonding in ethanol.

Friedman, S. Determination of carnitine in biological materials.

Hayaishi, O., and Sutton, W. B. Enzymatic oxygen fixation concomitant with the enzymatic decarboxylation of L-lactate.

Kalcker, H. M., and Maxwell, E. S. Biosynthesis and metabolic function of uridine diphosphoglucose in mammalian organisms and its relevance to certain inborn errors.

Saito, Y.; Hayaishi, O.; and Rothberg, S. Studies on oxygenases: Enzymatic formation of 3-hydroxy-L-tryptophan from L-tryptophan.

Schwarz, K. Dietary necrotic liver degeneration: An approach to the concept of the biochemical lesion.

Schwarz, K., and Mertz, W. A note on glucose tolerance factor (GTF), a new dietary agent.

Weissbach, A. The enzymatic determination of myo-inositol.

NIMH

Fraser, H. F.; Wikler, A.; Essig, C. F.; and Isbell, H. Degree of physical dependence induced by various chronic dosages of secobarbital or pentobarbital.

Gladwin, T. Personality structure in the plains.

Kies, M. W.; Alvord, E. C., Jr.; and Roboz, E. The production of experimental allergic encephalomyelitis in guinea pigs with fractions isolated from bovine spinal cord and killed tubercle bacilli.

McDonald, R. K.; Wagner, H. N., Jr.; and Weise, V. K. The relationship between endogenous antidiuretic hormone activity and ACTH release in man.

Roush, H. L.; Dittmann, A. T.; and Taylor, T. J. The interpersonal behavior of children in residential treatment: Behavior and behavioral change in treatment.

Schwartz, C. G. Perspectives on deviance: Wives' definitions of their husbands' mental illness.

Sela, M.; Anfinsen, C. R.; Harrington, W. F. The correlation of ribonuclease activity with specific aspects of tertiary structure.

NINDB

Agranoff, B. W.; Bradley, R. M.; and Axelrod, J. The determination and physiologic disposition of meprobamate.

Albers, R. W., and Brightman, M. W. A major component of neurohypophysial tissue associated with antidiuretic activity.

Irwin, R. L., and Wells, J. B. The effect of certain neuromuscular blocking compounds on directly stimulated muscle.

Tasaki, I., and Bak, A. Vibratory membrane currents of the squid giant axon under voltage-clamp.

Dekaban, A., and Norman, R. M. Hemiplegia in early life associated with thrombosis of the sagittal sinus and its tributary veins in one hemisphere.

Friess, S. L.; Whitcomb, E. R.; Hagan, B. T.; and French, P. A. The action of some diamine optical antipodes on acetylcholinesterase inhibition and on conduction in desheathed bullfrog sciatic nerve.

Moore, J. W.; Friess, S. L.; and Whitcomb, E. R. Action of certain anticholinesterase inhibitors on the action potential of the desheathed sciatic nerve of the bullfrog.

NIH Spotlight



Margaret L. Fowlkes

To the outside world of referring physicians and prospective patients, the most important CC unit is the preadmissions office. It provides the main channel for admittance of patients to the Clinical Center.

The job of handling preadmission inquiries and procedures requires a basic understanding of people, close contact with the Clinical chiefs and the Institutes, the ability to cope with innumerable details and unexpected situations, and a surplus of knowledge and patience. Margaret Fowlkes, as the Head of the Preadmissions Services Unit, combines all these with a ready smile, an unending supply of genuine enthusiasm, and exacting efficiency.

The present unit has grown largely out of her own efforts. It began when Margaret, as secretary to Mr. Burgoon in Admissions and Followup, reorganized the filing system.

In January of this year a preadmissions office was established in the CC Information Service. Margaret became supervisor of the new unit and helped to incorporate all preadmission procedures into one operation.

Praise for the job she has done was voiced by Judson Hardy, Chief of the CC Information Services: "Margaret Fowlkes deserves great credit for the very real contribution she has made in achieving a more efficient handling of phone calls and inquiries from referring physicians, and for providing an organized system in our dealings with doctors and patients."

Since Margaret arrived at NIH in 1955, she has particularly loved the "something new and different every day" aspect of her work. "Variety" has long been a keyword in her life. After graduation from her hometown high school in Roanoke, Va., she began her career there as a model and assistant buyer in the leading women's shop. However, in 1943 Margaret exchanged high fashion for khaki by joining the U. S. Women's Army Corps. For two years she was stationed at Fort Knox, Ky., as a Classification Specialist, attaining the rank of Staff Sergeant.

After the war Margaret returned to Roanoke and completely upset the Army tradition of her family by marrying a Navy man. She traveled with her husband, a physician, to various Navy and Marine bases in North Carolina, Louisiana, and Texas.

In 1955 they were transferred to the Bethesda Naval Hospital and settled down in Rockville. At the end of August, her husband retired after twenty Navy years and is working for the Government.

Margaret still participates in Navy life as the first president of the Chief Petty Officers' Wives' Club at Bethesda. This is the second Navy wives' club she has helped to organize and has headed. The other was at Cherry Point, N. C.

Margaret's chief occupation after working hours is homemaking for her husband, their 10-year-old son, and Baron Von Fowlkes, the German Shepherd member of the family. The Fowlkes, like many service families, find their favorite vacation pastime is just relaxing at home. Right now they are busy "experimenting with what it is like to be civilians."

Cyanide Antidote Kits Available

To ensure the safety of those working with cyanide, the Employee Health Service has prepared kits containing an antidote against cyanide poisoning. The slightest exposure to fumes of hydrogen cyanide could be swiftly fatal. To be effective, the antidote must be at hand for immediate use.

Investigators using, or planning to use, hydrogen cyanide should obtain a kit by calling the Employee Health Service, Ext. 553.

Dr. Witkop, NIAMD, Named Lab Chief

Dr. Bernhard Witkop has been appointed Chief of the Laboratory of Chemistry, NIAMD, a position left vacant by the death of Dr. Lyndon F. Small.

Dr. Witkop joined the NIAMD staff as a Visiting Scientist in 1950. A native of Freiburg, Germany, he received graduate degrees from the University of Munich. Before coming to NIH, Dr. Witkop taught organic chemistry at Harvard University and the University of Munich.

Dr. Lewis J. Sargent has been named Assistant to the Chief, Laboratory of Chemistry. During Dr. Small's illness and since his death, Dr. Eric Mosettig served as Assistant Chief of the Laboratory, and has been commended for his skillful handling of the problems that arose.

Pvt. Rabbitt Honored As Guard-of-the-Month

Guard Private Hugh Rabbitt has been selected as September Guard-of-the-Month. The honor is extended to him because of his alertness and interest in performing his guard duties.

In recommending Pvt. Rabbitt, Guard Captain J. L. Craumer commended him for his dependability, punctuality, and outstanding ability for getting along with his fellow workers.

A member of the NIH Guard Force since May 1956, Pvt. Rabbitt held a temporary appointment on the force from August 1953 through June 1954. He is a native of Maryland and was a farmer in this area for many years.

Orchestra Invites Employees To Join

The University of Maryland Symphony Orchestra extends an invitation to all NIH employees and their families interested in playing with an amateur music group. String, oboe, and bassoon players will be particularly welcome.

The orchestra meets at the University of Maryland every Tuesday at 6:30 in the Music Annex, Bldg. HH. Those interested may contact Joel Berman, WARfield 7-3800, ext. 207 or 555.

Md. Health Officers Hold Meeting at NIH

The third annual meeting of the Maryland Public Health Association was held October 4 in the NIH Clinical Center. More than 400 Maryland health officers and other professional public health workers attended.

Dr. John Knutson, President of the American Public Health Association, opened the day-long program. A morning session devoted to "Our Senior Population" included two panel discussions.

In the afternoon, Association members heard a talk on physical fitness by Dr. Shane MacCarthy, Executive Director of the President's Council on Youth Fitness. A movie on NIH activities concluded the business meeting.

Interpreters Available For Foreign Visitors

Names of more than 170 interpreters, covering at least 30 languages, are now on file in the Special Events Section, DRS. These volunteers responded to the Section's request for personnel to aid foreign visitors who arrive without an interpreter or with one who is unfamiliar with scientific terminology. Admissions and Followup has already taken advantage of the new service.



R & W NOTES

The Film Desk in the CC Lobby now has Christmas cards available at additional discounts to R & W members who place their orders before Nov. 1. Members ordinarily receive a 10 percent discount. Those who order early will receive a discount of 15 percent. A large variety of boxed and personalized cards, including unusual Griffin originals, is featured.

A few memberships are still available in the Institute of Contemporary Arts lecture and concert series. R & W members may subscribe to the 40 programs at a reduced group rate of \$12. The series includes films, exhibitions, concerts, poetry readings, and lectures on the arts and humanities. For further information, contact Ruby Peters, ext. 637.

FELLOWSHIPS Contd.

The Center for Advanced Study in the Behavioral Sciences is a nonprofit corporation founded in 1954 by funds provided by the Ford Foundation. It offers an opportunity for scholars in many fields to meet and work on common problems.

NIH TELEPHONE OPERATORS RECEIVE AWARD



Telephone operators who recently shared a \$740 group award are (front row, left to right) Almedia Lucas, Jean Dennard, Alice Hardy, Lottie Byrd, Mary W. Bradley, Margaret Myers; (back row) Thelma Waters, Lillian George, Supervisor Cecelia S. Van Cott, Yvonne Smith, and Constance Adams. Missing are Doris Dudley, Edna Royster, and Mildred Gross.