

the



# Record

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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NATIONAL INSTITUTES OF HEALTH

## Dr. Sheldon Wolff Given Brazilian Academic Honor For His Contributions

Dr. Sheldon M. Wolff, NIAID's Clinical Director, recently received the degree of doctor, *Honoris-Causa*, from the Federal University of Rio de Janeiro for "significant contributions to modern medicine."

### University's Highest Honor

Dr. Wolff was awarded the degree—the highest honor given by the University and one seldom given to foreign citizens—on



Dr. Helio Fraga, Rector of the Federal University of Rio de Janeiro, presents the honorary doctorate degree to Dr. Wolff (1), whose wife Lila and son Daniel look on.

Aug. 12 after a unanimous decision by the University Council.

In his remarks at the award ceremony, Dr. Carlos Chagas, Dean of the School of Medicine, acknowledged Dr. Wolff's accomplishments as both a clinical investigator and physician in the fields of immunology and infectious diseases.

### Praise His Humanitarianism

In addition to citing Dr. Wolff's contributions to understanding the role of bacterial endotoxins in disease and the causes of fever, Dr. Chagas praised Wolff for his humanitarian qualities that "bring to mind the dedication of the family doctor."

He compared Dr. Wolff to his father, Carlos Ribeiro Justiniano Chagas, the discoverer of *Trypanosoma cruzi*, the organism responsible for a form of trypanosomiasis, also known as Chagas' disease.

## NRC Committee Invites Comments on Its Report; Schedules Public Meeting

Public comments on a report dealing with personnel and training needs in the biomedical and behavioral sciences are being sought by the National Research Council committee that authored the report.

The comments will be discussed at a public meeting of the committee on Thursday, Nov. 4, at 9 a.m., in the lecture room of the National Academy of Sciences Building, 2101 Constitution Ave., N.W., in Washington, D.C.

Suggestions on the committee's future work will also be discussed.

Parking facilities are not available.

### Contact Mr. Snyder

Anyone wishing to attend the meeting is requested to contact Robert G. Snyder, Commission on Human Resources, NRC, telephone 389-6656.

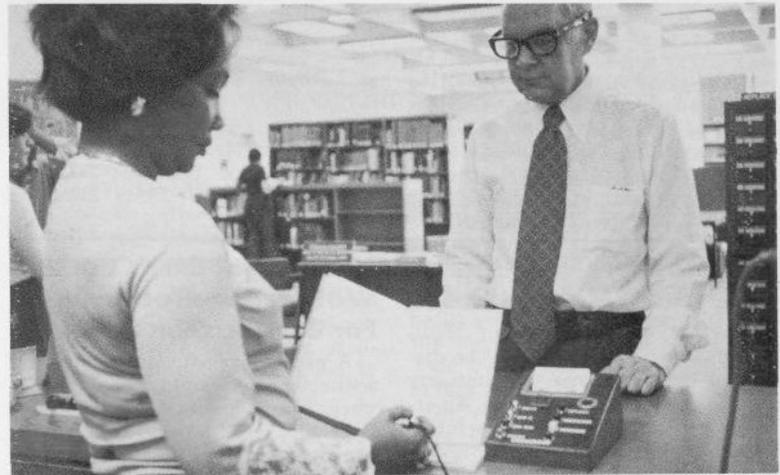
The report, entitled *Personnel Needs and Training for Biomedical and Behavioral Research, 1976 Report*, was issued in June. It is the second in an annual series being prepared by the Research Council's Commission on Human Resources for NIH and HEW.

It examined the training programs of NIH and the Alcohol, Drug Abuse, and Mental Health Administration in four areas—basic biomedical sciences, behavioral sciences, clinical sciences, and health services research—and recommended shifting the general emphasis of Federal funding in those areas from predoctoral to postdoctoral candidates for fiscal years 1977 and 1978.

Dr. Wolff has been NIAID's clinical director and chief of the Laboratory of Clinical Investigation since 1968. His first contact with the Federal University was at the request of the Pan American Health Organization.

For the past four summers he has spent the month of August lecturing, consulting, and developing a training program in clinical immunology at the Federal University. He has also been instrumental in providing opportunities for Brazilian researchers to study in the U.S.

## New Computerized Loan System Installed; Aids NIH Library Workers and Borrowers



Barbara Bowyer and Warren Conklin of the Circulation Unit demonstrate how borrowers will present books and cards for the code labels to be "read" by the light-activated pen and mini-computer in the new checkout system.

How is the NIH Library like an up-to-date supermarket? Starting later this month, the NIH Library will begin using light-activated pens at the circulation desk to "read" labels on books and users' cards in much the same way the supermarkets use computer systems to read price labels and keep constant watch on inventory.

The pens, a cathode-ray terminal and printer are already installed with a mini-computer that records transactions, and Library personnel have been attending training sessions to learn the new system, similar to one developed at the University of South Carolina.

The information on the book label and borrower's card is fed into an IBM 370 computer that updates master records, checks inventory control, and speedily processes overdue notices, as well as providing statistical information.

An additional benefit of the new system—the computer will be able to "clear" personnel leaving NIH much faster than the current manual procedures.

Already, more than half the Library's 80,000 volumes have had the labels affixed one by one—a project that has been quietly taking place during day and evening hours. Journals are not included initially.

Posters and flyers announcing and explaining the new system are being prepared. The final switch over from the manual card system

will take only 1-2 days, although parallel systems will be maintained during the first few weeks the new system is used.

When the new system becomes operational, borrowers should drop off their purple library identification cards at the desk when entering the Library to allow time for the new code label to be affixed to the card before checking out books.

### 2 Win Nobel Prize in Med.

Drs. D. Carleton Gajdusek, NINCDS, and Baruch S. Blumberg, Institute for Cancer Research, Philadelphia, have won the Nobel Prize for Medicine.

The two scientists share the prize from the Karolinska Institutet for "their discoveries concerning new mechanisms for the origin and dissemination of infectious diseases."

Dr. Gajdusek is chief of the Laboratory of Central Nervous System Studies, and Dr. Blumberg, a former researcher at NIAMDD, is now an NCI and NHLBI grantee.

# the NIH Record

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## Med. Writers Will Hear Talk About Malpractice

The Growing Problem of Medical Malpractice Claims will be discussed by Dr. James G. Zimmerly at the next meeting of the American Medical Writers' Association on Thursday, Oct. 21, in Billings Aud., National Library of Medicine.

The coffee hour is at 7:30 p.m., and the program starts at 8 p.m.

Dr. Zimmerly, who is chief of the Division of Legal Medicine, Armed Forces Institute of Pathology, will illustrate his remarks with slides.

He holds M.D., J.D., and M.P.H. degrees, has faculty appointments at three universities, and is vice chairman of the American Bar Association Committee on Law and Medicine.

## Lab Animal Care Course Will Prepare Technicians For Certification Exam

A course in basic laboratory animal science is being offered to prepare participants to take the AALAS certification examination at the assistant technician and technician level.

The 16 sessions, which begin Nov. 2, will be held on Tuesdays, from 2:30 to 4:30 p.m., in Bldg. 29, Room 115.

The National Capital Area Branch of the American Association for Laboratory Animal Science is presenting the course.

Those wishing to participate should report at the first session with a Government voucher or a check to cover the \$20 tuition.

## NIH Program Accepting Applications for Its On-the-Job Training for Management Interns

Applications are now being accepted for the 1976-77 NIH Management Intern class.

This program is designed to develop men and women for administrative positions with the prospect of progression to upper level management appointments.

Individuals selected to participate in the program will receive 12 months of on-the-job training consisting of four rotational assignments in different administrative areas.

Interns are also encouraged to participate in supplementary education in management seminars, university courses, and other special courses. Upon successful completion of the program, graduates are eligible for permanent assignments at the GS-7 and -9 levels.

must meet the following criteria:  
To be considered, NIH employees

- Be in a full-time permanent position.
- Have a score on the Professional and Administration Career Examination, PACE. It is not necessary to pass this test.
- Meet the qualifications standards for administrative assistant GS-5 or -7 as follows:

- 1) 3 years of progressively responsible, nonclerical experience, or
- 2) a bachelor's degree, or
- 3) a combination of items 1 and 2 (for example, 2 years of college and 1 1/2 years of nonclerical experience).

To apply for the Management Intern Program, an employee must submit an SF 171, Personal Qualifications Statement to the Career Development Branch, Division of Personnel Management, Bldg. 31,

Vouchers should be made payable to Clarence Reeder, treasurer, NCAB; Blair Bldg., Room 5A-05; 3800 Colesville Road; Silver Spring, Md. 20910.

For additional details call Robert Brown, Ext. 62093. Room B2-C39, before close of business Nov. 15.

For questions regarding the program, call Ext. 66211.

Arrangements can be made to take the PACE noncompetitively through the applicant's B/I/D personnel office. The examination will be given on Tuesday, Oct. 26, and Thursday, Nov. 4.

### PACE Courses Scheduled

The Training and Education Branch, DPM, has scheduled two PACE Preparation Mini Courses for interested employees. These will be offered on Thursday, Oct. 21, and Thursday, Oct. 28. Both courses will begin at noon.

Contact Linda Cunningham, TEB, Ext. 62146, for location and precourse material.

## USE IT OR LOSE IT— Annual Leave Explained

All employees should have an opportunity to schedule annual leave for use throughout the year. Employees should not have a large amount of annual leave at the end of the leave year that must be used or forfeited.

### Circumstances Detailed

Circumstances under which forfeited leave can be restored are governed by very restrictive criteria. The restoration of annual leave is not intended to "save" annual leave which is in excess of the maximum amount that can be carried over at the end of the leave year.

Annual leave can be restored only under the following conditions:

- 1) Administrative error when the error causes the loss of annual leave otherwise accruable after June 30, 1960.
- 2) Urgent program needs when annual leave was approved in writing before Nov. 21, 1976, and
  - was cancelled because an employee's supervisor decided that the employee could not be excused from work, and
  - the leave could not be rescheduled before the end of the leave year.
- 3) Sickness of the employee when annual leave was approved in writing before Nov. 21, 1976, and
  - was cancelled because of illness, and
  - could not be rescheduled before the end of the leave year.

For further information about the restoration of annual leave, contact your Personnel Office.

## New 1976-77 General Pay-Raise Schedule for Federal Employees

	1	2	3	4	5	6	7	8	9	10
GS-1	\$5,810	\$6,004	\$6,198	\$6,392	\$6,586	\$6,780	\$6,974	\$7,168	\$7,362	\$7,556
2	6,572	6,791	7,010	7,229	7,448	7,667	7,886	8,105	8,324	8,543
3	7,408	7,655	7,902	8,149	8,396	8,643	8,890	9,137	9,384	9,631
4	8,316	8,593	8,870	9,147	9,424	9,701	9,978	10,255	10,532	10,809
5	9,303	9,613	9,923	10,233	10,543	10,853	11,163	11,473	11,783	12,093
6	10,370	10,716	11,062	11,408	11,754	12,100	12,446	12,792	13,138	13,484
7	11,523	11,907	12,291	12,675	13,059	13,443	13,827	14,211	14,595	14,979
8	12,763	13,188	13,613	14,038	14,463	14,888	15,313	15,738	16,163	16,588
9	14,097	14,567	15,037	15,507	15,977	16,447	16,917	17,387	17,857	18,327
10	15,524	16,041	16,558	17,075	17,592	18,109	18,626	19,143	19,660	20,177
11	17,056	17,625	18,194	18,763	19,332	19,901	20,470	21,039	21,608	22,177
12	20,442	21,123	21,804	22,485	23,166	23,847	24,528	25,209	25,890	26,571
13	24,308	25,118	25,928	26,738	27,548	28,358	29,168	29,978	30,788	31,598
14	28,725	29,683	30,641	31,599	32,557	33,515	34,473	35,431	36,389	37,347
15	33,789	34,915	36,041	37,167	38,293	39,419	40,545*	41,671*	42,797*	43,923*
16	39,629*	40,950*	42,271*	43,592*	44,913*	46,234*	47,555*	48,876*	50,197*	
17	46,423*	47,970*	49,517*	51,064*	52,611*					
18	54,410*									

\*The rate of basic pay for employes at these rates is limited by section 5308 of title 5 of the United States code to the rate for level V of the Executive Schedule which, under this adjustment, would become \$39,600.

The raise is effective for the first complete pay period which begins after Oct. 1. At NIH this is from Oct. 10 through Oct. 23. NIH employees—except those in special categories—will receive the increase in their Nov. 2 paychecks.

## Merit Promotion Is Noon Seminar Topic

The Division of Personnel Management will present seminars on Merit Promotion from 11:30 a.m. to 1:30 p.m. on Nov. 1, 3, and 5 in the 14th Floor Auditorium of the Clinical Center. The seminar will be repeated from 11:30 a.m. to 1:30 p.m. on Nov. 8 in Conference Room D in the Westwood Bldg. All employees are invited.

Employees will see video tapes on a Qualifications Review Board in Action, and the Personnel Officer and Supervisor Discussing the Filling of a Position. Various skits will highlight—and hopefully correct—some of the misunderstandings employees may have regarding merit promotion.

### Aspects Discussed

At the question and answer desks employees may ask specific questions and discuss any aspect of the merit promotion process as it is used to fill vacancies at NIH.

Employees should obtain permission from their supervisors before attending the seminars unless they choose to do so during their lunch period.

## Open Season Nov. 15-30 For Federal Employees Health Benefits Program

An "Open Season" under the Federal Employees Health Benefits Program will be held Nov. 15-30. During this period, eligible employees may enroll in a plan. Those already enrolled may change their plan, option, type of enrollment, or any combination of these.

Before Nov. 15, a packet entitled Federal Employees Health Benefits Program will be distributed to all employees. Registration procedures will be included with this information.

During the "Open Season," registration assistants will help employees complete forms and answer questions. The names and locations of these assistants will be posted on official bulletin boards and will also be available in personnel offices.

A panel of experts from the four major health plans will summarize the 1977 contracts and answer employee questions at a general employee assembly to be held on Wednesday, Nov. 17, at 2 p.m. in Bldg. 1, Wilson Hall.

### Plans Represented

Panel members will represent Aetna Life and Casualty Company, Blue Cross-Blue Shield, Group Health Association, Inc. of Washington, D.C., and the University Affiliated Health Plans, Inc. of Washington, D.C.

The session, open to all employees, is sponsored by the Division of Personnel Management.

## For a Third of His Life — 25 Years — 'Jake' Blondy Has Cleaned Up at NIH

One of NIH's senior citizens is Clarence Blondy, better known to his countless friends as "Jake," an indefatigable member of the Grounds Maintenance and Landscaping Section, DES.

Next month, Jake will have been working at keeping the NIH grounds litter-free for 25 years; in January 1977 he will celebrate his 75th birthday. He recalls waiting more than 8 months to be interviewed for his job originally, and likes it so well that he has continued on year-to-year temporary appointments after compulsory retirement at age 70.

### Had Many Jobs

Born on a New York farm, Jake has had a varied career including work in a Boston fish market, Buffalo lumber yards, and Maryland state road repairs.

He acquired his nickname while living in a Gaithersburg boarding house, when a carpenter began calling him Jake after a former helper whom he resembled.

While in his early twenties, Jake got used to the hobo bag and stick he still carries, riding trains across the country for 5 years after a tragic experience.

At NIH he is more often seen carrying his litter stick and bag, cheerfully cleaning up after people who are careless with the remains of their lunches and other trash.

"Sometimes, people are lazy," he says. Often they leave papers on the grounds just a few feet from the litter receptacles provided near picnic tables. Other common items are cans and bottles, including a surprising number of liquor bottles, the hard stuff he gave up years ago.

### Grounds Chief Comments

Thomas J. Cook, chief of the Grounds Maintenance and Landscaping Section, points out that "in the last 3 years the growth in litter on the campus has been phenomenal. Two men used to be able to cover the entire reservation on foot twice a week.

"Now, even with added litter

### EST Returns October 31; Set Clocks Back One Hour

*Spring forward, fall back.*

Once again it is that time of year to move the clocks back and gain an extra hour's sleep.

On Sunday, Oct. 31, at 2 a.m., clocks are set back to 1 a.m. for Eastern Standard Time.

NIH personnel who work the tour of duty beginning at midnight Oct. 31 will receive overtime pay for the extra hour worked.

According to the law now in effect, our area will remain on EST until the last Sunday in April, at which time Daylight Savings time will resume.



Carrying his hobo "bag of smiles" and stick or his litter bag and stick, "Jake" Blondy greets one and all with his friendly thumbs-up gesture.

containers—which they must also empty—there's just too much to cover every area each week. A 5-cubic-yard dump truck is filled to overflowing twice weekly.

### Parking Lots Littered

"Saturdays, when the parking lots are empty, we have to clean up amazing quantities of items such as cans, bottles, flip tops, oil cans, and air filters."

Such carelessness makes it more difficult to maintain the grounds in the state recently praised by an NIH employee whose letter to the Section read in part:

### Landscaping Lauded

"Every piece of ground and every odd corner or space is enhanced by their design and plantings. . . . Indian summer brings us all a feeling that we must 'store' this present loveliness in our imaginations for the winter ahead. A vote of thanks to all who visualize and then carry out their plans and plantings."

Still, Jake likes his job, even when the winter weather is bad and he trades his stick and bag for a snow shovel. He walks the campus day in, day out, greeting everyone with "a bag of smiles" and his trademark "thumbs-up" gesture.

### Never Drives, Seldom Rides

He's never owned a car, never learned to drive. When a friend loaned him a pedometer, he found he was walking 25 miles per day.

After work and on days off, he walks as well, heading off to places where he can "enjoy his favorite country music, relax with a beer or two, and find some lady friends."

## Dr. Elliott Simon, 31, Due to Return Here, Dies in Auto Accident

Dr. Elliott Simon, 31, a neurophysiologist with the National Institute of Neurological and Communicative Disorders and Stroke, was fatally injured in an auto accident Sept. 30 near Cambridge University, England, where he was a research fellow.

For the past 2 years, Dr. Simon had been conducting research on the retina at Cambridge with 1963 Nobel Prize winner Sir Alan Hodgkin.

A native of Clifton, N.J., Dr. Simon was a 1966 graduate of the University of Rochester, and graduated from Yale University Medical School in 1970.

After graduation he worked for the Laboratory of Neurophysiology, NINCDS, as a PHS commissioned officer.

Dr. Simon expected to return to NIH this October to resume work with Dr. M. G. F. Fuortes, chief of the Laboratory of Neurophysiology, and Dr. Robert MacBurney, of Australia, on photoreception in the eyes of turtles.

He also had recently received notification of an appointment with the department of physiology at Yale University to begin sometime in late 1977.

In addition to his wife, Ruth Ann, Dr. Simon is survived by two children, Keith and Jennifer, and a brother, Charles, of California.

### Memorial Begun

Memorial contributions may be made to TECHNION, the Israel Institute of Technology, whose mailing address in the United States is: 271 Madison Avenue, New York, N.Y. 10016.



Dr. Carl Kupfer, Director of the National Eye Institute, and M. Robert Barnett, former executive director of the American Foundation for the Blind, will receive the Migel Medal from the Foundation on Oct. 28 at its New York headquarters. The annual award is being presented to Dr. Kupfer for "his leadership in research in the field of blindness prevention in the U.S."

## NIAID Grantees Confirm, Extend Investigations of Multiple Sclerosis Agent

Work by others showing that brain tissue and sera from multiple sclerosis (MS) patients contain what appears to be a small virus has been confirmed and extended by investigators partially supported by the National Institute of Allergy and Infectious Diseases.

Although the role of this Multiple Sclerosis Associated Agent (MSAA) remains to be determined, the scientists, led by NIAID Career Awardee Dr. Werner Henle, say it should be considered a candidate for causing this disease.

Viruses, as well as a host of other factors, have long been suspect as causing MS, a progressive, crippling disease of the central nervous system which may alternately flare up and subside. About 500,000 people in the U.S. suffer from MS and closely related disorders.

The existence of MSAA was first reported in 1972 when injections of mice with material from MS patients caused depressions of white blood cells called PMN—polymorpholeukocytes—considered indicative of the presence of an infective agent. Other investigators, however, had not been able to confirm these results.

In the presently reported studies, PMN depressions were again seen Koldovsky, Rudolph Ackermann, in mice, as well as in rats, hamsters, and guinea pigs injected with material from MS patients.



Leon Schwartz (r), NIH Associate Director for Administration, presented a group award to (l to r) Milton Tipperman of DPM, Joan Porter of DRG, and Robert Slevin of DMP, for developing and executing an NIH training program on the Privacy Act of 1974. Over 500 employees from grant, contract, personnel, clinical, and administrative areas were trained in Privacy Act requirements, operational procedures, and employees' rights and responsibilities. A 10-minute color slide/sound show on the Act and other materials may be obtained from the Training and Education Branch, Ext. 62146.

The agent causing the depressions was found to multiply at high titers in central nervous tissues of inoculated animals and could be serially transmitted from animal to animal.

The possibility of MSAA being an indigenous experimental animal virus was negated by a number of research results, including failure of materials from non-MS patients and mouse brains to cause PMN depressions.

All eight brain homogenates from autopsied MS patients caused PMN depressions, while 11 con-

trol suspensions from autopsied non-MS patients failed to do so.

Not all sera from MS patients contained MSAA. Its presence seemed dependent on the patient's clinical state, those with active disease showing 73 percent positive results, and those in remission 81 percent.

Spinal fluid from eight MS patients neutralized the MSAA, rather than depressing PMN's, indicating antibody activity. Of 23 sera from nursing staff and relatives of MS patients, 26 percent were highly positive for this

MSAA-neutralizing activity, and only 35 percent were negative.

Of sera from 59 American donors not known to be associated with MS patients, only one was positive. However, 23 percent of East African sera from donors under 15, and 67 percent from those over 50 showed MSAA-neutralizing capability.

The authors draw a parallel between multiple sclerosis and infectious mononucleosis. Both occur predominantly in middle and upper class adolescents and young adults in economically advanced countries.

The Epstein-Barr virus, believed responsible for infectious mononucleosis, causes mild early infections in underdeveloped countries.

Conversely, in advanced countries, these infections are often delayed and appear later as clinical infectious mononucleosis.

Since a large number of sera from East Africans neutralized MSAA and sera from Americans did not, the authors suggest that the same pattern could hold for multiple sclerosis.

The ability of sera from MS relatives and nursing personnel to neutralize MSAA implies, they say, that, like EB virus infections, not all MSAA infections result in clinical disease.

These findings were presented in the December 1975 issue of *Infections and Immunity*, by Drs. Werner Henle, Gertrude Henle, Ursula Koldovsky, Paul Koldovsky, Rudolph Ackermann, and Gunter Haase from the Joseph Stokes, Jr., Research Institute, the Children's Hospital of Philadelphia and School of Medicine, U. of Pennsylvania.

## What 4.83 Percent Raise Means to CO's

### New Monthly BAQ Rates

PAY GRADE	WITHOUT KIN		WITH KIN	PAY GRADE	YEARS Under 2	Over 2	Over 3	Over 4	Over 6	Over 8	Over 10	Over 12	Over 14	Over 16	Over 18	Over 20	Over 22	Over 26
	Full Rate	Partial Rate																
COMMISSIONED OFFICERS																		
O-10	\$297.00	\$29.40	\$321.40	O-10	2943.90	3047.40	3047.40	3047.40	3047.40	3164.10	3164.10	3406.80	3406.80	3650.40	3650.40	3894.60	3894.60	4137.30
O-9	297.00	29.40	371.40	O-9	2809.10	2677.80	2734.50	2734.50	2734.50	2804.10	2804.10	2920.20	2920.20	3164.10	3164.10	3406.80	3406.80	3650.40
O-8	297.00	29.40	371.40	O-8	2363.10	2433.90	2491.80	2491.80	2491.80	2677.80	2677.80	2804.10	2804.10	2920.20	3047.40	3164.10	3291.00	3291.00
O-7	297.00	29.40	371.40	O-7	1963.50	2097.30	2097.30	2097.30	2190.90	2190.90	2318.40	2318.40	2433.90	2677.80	2861.70	2861.70	2861.70	2861.70
O-6	268.80	22.80	327.90	O-6	1455.30	1599.30	1703.40	1703.40	1703.40	1703.40	1703.40	1761.30	1761.30	2040.30	2144.70	2190.90	2318.40	2514.00
O-5	249.30	19.20	300.30	O-5	1164.00	1367.10	1461.30	1461.30	1461.30	1461.30	1506.00	1586.40	1692.30	1819.50	1923.90	1981.80	2051.40	2051.40
O-4	222.90	15.30	269.10	O-4	981.30	1194.30	1274.70	1274.70	1297.80	1355.70	1447.80	1529.40	1599.30	1668.90	1715.40	1715.40	1715.40	1715.40
O-3	196.80	12.90	242.70	O-3	812.00	1019.40	1089.60	1205.70	1263.30	1308.90	1379.10	1447.80	1483.20	1483.20	1483.20	1483.20	1483.20	1483.20
O-2	171.30	10.20	216.90	O-2	795.00	868.50	1043.10	1078.20	1100.70	1100.70	1100.70	1100.70	1100.70	1100.70	1100.70	1100.70	1100.70	1100.70
O-1	133.80	7.50	174.30	O-1	690.00	718.50	868.50	868.50	868.50	868.50	868.50	868.50	868.50	868.50	868.50	868.50	868.50	868.50
COMMISSIONED OFFICERS WITH MORE THAN 4 YEARS OF ENLISTED SERVICE																		
O-3	—	—	—	O-3	—	—	—	1205.70	1263.30	1308.90	1379.10	1447.80	1506.00	1506.00	1506.00	1506.00	1506.00	1506.00
O-2	—	—	—	O-2	—	—	—	1078.20	1100.70	1135.50	1194.30	1240.50	1274.70	1274.70	1274.70	1274.70	1274.70	1274.70
O-1	—	—	—	O-1	—	—	—	868.50	927.30	961.80	996.60	1031.40	1078.20	1078.20	1078.20	1078.20	1078.20	1078.20

### New Service BAS Rates

Officers ..... \$55.61 per month

The overall raise of 4.83 percent for the military translates into a wide range of new pay and allowance rates, effective Oct. 1, as shown in the accompanying tables. Only subsistence cash is increased by direct application of the overall percentage. Under new authority granted by Congress, one-quarter of the basic pay increase is shifted into quarters allowance rates, in addition to the regular 4.83 percent BAQ raise. As a result, basic pay goes up only 3.62 percent and BAQ by nine to 16 percent, depending on

grade. Those people without dependents who do not draw full cash BAQ will receive a new partial BAQ in cash, representing most of the money shifted from their basic pay into BAQ. Barring a last minute enactment by Congress, pay for O-8 and higher will jump to \$3300 per month.

OCTOBER 11, 1976 Air Force Times

The HEW Central Payroll Division has indicated that the Oct. 1 pay increases have been incorporated into their system and that commissioned officers can expect their checks of Oct. 31 to reflect the raise in pay.

# Scientists Tell Writers How Aging Process Affects Us All



L to r: Dr. Butler welcomes science writers. An overflow crowd at the seminar hear experts on aging. Speakers, visiting writers, and NIH staff enjoy a buffet

lunch during the day-long seminar. Dr. Nathan W. Shock, GRC Director and NIA acting scientific director, chats with Mr. Ossofsky.—Photos by William Fisher.

On Oct. 1, 45 science writers boarded a bus in Bethesda to join 25 colleagues in Baltimore for an NIH Science Writers Seminar. Sponsored by the National Institute on Aging, NIH's newest Institute, the seminar was held at the Gerontology Research Center.

The program was designed to give the writers a general background on the aging process, which affects or will affect us all, and to outline current trends in research on aging.

One of the best features of the program was that Dr. Robert N. Butler, NIA Director and a recent Pulitzer prize winner, rode on the bus with the writers and was available to answer questions about the Institute and its research programs.

At the Gerontology Research Center, Dr. Butler welcomed the science writers, stressing the need for recognition of geriatric medicine as a discipline.

### No Training Yet Given

Not one medical school today requires its students to rotate through nursing homes, he noted, despite the fact that there are currently more people in U.S. nursing homes than hospitals.

Doctors who receive no formal training in the needs and problems of the aged are thus often insensitive and unprepared to give their older patients the special care they require, he said.

Dr. Ernest M. Gruenberg of the Johns Hopkins School of Hygiene and Public Health discussed the incidence of illness as people grow older. Not surprisingly, studies have shown that as life expectancy increases, more people suffer from chronic diseases for longer periods of time.

In Dr. Gruenberg's words, "Medical death-defying techniques cure the fatal complications of these conditions without learning anything substantial about curing or preventing these major causes of sickness. The extension of life is too often the perpetuation of disease."

Dr. Reubin Andres, NIA acting

clinical director at GRC, described the Baltimore Longitudinal Study of Aging, in which 650 active men are examined every 18 months (annually if over age 70) for 2½ days of testing.

By carefully studying the condition and capacities of each man as he ages and measuring changes in individual organ systems such as the heart, lungs, and nerves, GRC scientists hope to learn how people age.

### Glucose Decline Questioned

According to Dr. Jordan Tobin, also of NIA, the basic question relating to diabetes and aging has been whether the decline in glucose metabolism that occurs with age is a normal event in the aging process or a prelude to the onset of disease.

The Longitudinal Study has shown that the body's response to insulin does not change with age, but that decreased glucose tolerance is the result of an insensitivity of insulin secreting cells in the pancreas to a glucose load.

Because the NIA is committed to research in the social and behavioral aspects of aging as well as the biomedical, the topic, Is Mandatory Retirement Necessary, was considered by Dr. Abram J. Jaffe of Columbia University and Jack Ossofsky, executive director of the National Council on the Aging.

The applications of biofeedback to the elderly were discussed by

Dr. Bernard T. Engel. Dr. Engel and his associates have used biofeedback (operant conditioning) to treat chronic severe fecal incontinence, with 70 percent success in subjects ranging in age from 6 to 96 years.

Dr. Robert E. Vestal of Vanderbilt University (a former GRC clinical associate) described studies of drug effects in the aged. The old spend more on drugs than any other age group in America, yet their altered responses to drugs have remained largely unexplored.

Dr. Charles H. Barrows of GRC has found that dietary restriction if started at a very young age, results in an increased lifespan in some laboratory animals.

Since diet restriction during the animal's growth period may hamper its growth, immunological capacity, fertility, and other functions, studies must find ways to begin restriction after full growth is reached.

Dr. Eleanor Schlenker of the University of Vermont cited the small amount of research in nutrition effects on humans, but added that studies are beginning to evaluate nutrition programs for the elderly.

### Cites Multiple Factors

In the final presentation, entitled Aging, Genetics, and the Environment, Dr. Gunther L. Eichhorn of GRC explained that in addition to genetics, environmental factors such as geographical location and temperature can affect the way an organism ages.

He told the writers about the



possible role metal ions in the body may play in the transfer of vital genetic information needed for the maintenance of cell life.

### Fed'l Agencies Required To Reimburse CSC Fund

President Ford has signed into law a bill, effective Oct. 1, that requires Federal agencies which re-employ Federal annuitants to reimburse the Civil Service retirement fund for the amounts of annuities deducted from their salaries.

For example, if an agency rehires for a \$25,000-a-year job a retiree whose annuity was \$10,000 a year, in the past the agency would only pay \$15,000 of the salary because the retiree would get the other \$10,000 through his annuity. Thus, the agency saved \$10,000 in salary cost.

Under the new law (PL 94-397), the agency will still pay the employee \$15,000 but will also have to pay the remaining \$10,000 into the Civil Service retirement fund.

The Civil Service Commission will soon be publishing an explanatory brochure.



Dr. Gruenberg Dr. Andres Dr. Tobin Dr. Barrows Dr. Schlenker

## CPR—CARDIOPULMONARY RESUSCITATION

### Classes in Emergency First Aid Procedure Teaching NHLBI Staff How to Save a Life



Class learns about CPR as (above l to r) Mr. Weir demonstrates proper technique of tilting head to open victim's airway. Dr. Jay Moskowitz practices precordial thump as instructed by Commander Barbarick. This technique is used

only when cardiac arrest has been witnessed. Below l to r: Commander Barbarick demonstrates proper ventilation technique to Art Fried. Dr. Michael Gross practices CPR under watchful eye of Margot Summers, M.C. Heart Association, as Connie Raab looks on.

#### Dr. S. Hersh Will Speak At NCI Forum Oct. 27

Dr. Stephen P. Hersh, assistant director for Children and Youth, National Institute of Mental Health, will speak on the Psychosocial Aspects of Cancer at NCI's Fourth Wednesday Forum on Oct. 27.

The meeting, open to all NIH staff, will be held in Conference Room 10, Sixth Floor, C Wing, Bldg. 31 from noon to 1 p.m.

Dr. Hersh will discuss problems of coping with cancer and the stresses it produces in patients as well as their families. His presentation will be geared to medical research center patients, particularly children and youth.

He will also explain some of the current behavioral science research being launched at the Clinical Center in the National Cancer Program.

After his presentation, Dr. Hersh will respond to questions.

#### NIAMDD to Establish Research and Training Centers for Diabetes

The National Institute of Arthritis, Metabolism, and Digestive Diseases will establish a number of Diabetes Research and Training Centers to increase Federally supported research and training activities concerned with this disorder.

A center is defined as a resource formed within a single university or through a consortium of cooperating institutions including a university-affiliated center, dedicated to conducting research and programs for training in diabetes mellitus and related endocrine and metabolic disorders.

Each center will conduct: research in the diagnosis and treatment of diabetes mellitus and related endocrine and metabolic disorders; training programs for physicians and allied health personnel in current methods of diagnosis and treatment; and informa-

tion programs for physicians and allied health personnel who provide primary care for patients.

The inclusion of training and education efforts with the research program efforts distinguishes the Diabetes Research and Training Centers from the presently supported Diabetes-Endocrinology Research Centers which are specifically oriented to research goals.

The Diabetes Research and Training Centers will be funded by the grant mechanism, but under conditions that will require close coordination with NIAMDD.

Applications for Diabetes Research and Training Center grants must be submitted, in the required format, prior to Jan. 15, 1977.

To determine if the proposed program meets the criteria of a Center, potential applicants are asked to submit letters of intent, prior to Nov. 30, 1976.

In addition, NIAMDD will hold an orientation session for the representatives of potential applicant institutions on Oct. 25, 1976.

"Switch on three next time."  
"Look, listen, feel."  
"Check breathing, pupils, and pulse."  
"One thousand one, one thousand two..."

This is the language of CPR—cardiopulmonary resuscitation.

The National Heart, Lung, and Blood Institute staff is taking classes in emergency first aid.

When respiratory and/or cardiac arrests occur, CPR provides emergency basic life support to maintain life until a victim recovers sufficiently to be transported to a hospital or until advanced life support arrives on the scene.

The 9-hour course includes a lecture, film, slide show, and practical working using "Resusci-Annie," a life-like mannequin, and testing. Those who pass both the written and practical tests are certified to perform CPR for one year by the American Heart Association.

The Montgomery County Heart Association provided audiovisuals and volunteer instructors and arranged for Hospitalman First Class Clancy Weir, National Naval Medical Center, to instruct the class.

Volunteers include Allen Perreira of the State Department and Commander Donna Barbarick of the Academic Division, NNMCC.

At the first session, Dr. Robert I. Levy, NHLBI Director, participated in the class.

Stressing the importance of CPR, he told the students, "Many victims of heart attacks die before they can reach the hospital.

"The procedure which you are going to learn increases the odds of keeping someone alive long enough to get to the hospital and increases the probability of survival. At the end of this course, you will be able to save a life."



Dr. Levy stresses importance of CPR at first meeting of class.

Further information, copies of the Guidelines, and application materials may be obtained from the Office of the Associate Director for Extramural Program Activities, NIAMDD, Bethesda, Md. 20014.

## William and Mary Gives Medallion to Dr. DeVita



Dr. DeVita graduated from William and Mary College in 1957 with a major in chemistry and continued his education in medicine at the George Washington University. In 1966 he joined NCI as a senior investigator in the solid tumor service.

Dr. Vincent T. DeVita, Jr., Director of the National Cancer Institute's Division of Cancer Treatment since 1974, received an Alumni Medallion from William and Mary College at ceremonies Oct. 8.

The Medallion is the Alumni Society's highest honor, reserved for graduates outstanding in their chosen field.

At NCI, Dr. DeVita has done research on the pharmacology of anticancer drugs. He and co-workers designed drug therapies for Hodgkin's disease and other lymphomas.

The four-drug combination called MOPP has changed the survival statistics for advanced Hodgkin's disease from less than 5 percent to 66 percent of patients alive and free of disease at 10 years.

Dr. DeVita received the prestigious Albert and Mary Lasker Medical Research Award in 1972 for this achievement.

## NIH Visiting Scientists Program Participants

9/24—Dr. Liviu Feys, Romania, Drug Development Branch. Sponsor: Dr. John Driscoll, NCI, Bg. 37, Rm. 6D24.

9/26—Dr. William Higgins, United Kingdom, Laboratory of Biochemical Pharmacology. Sponsor: Dr. Edith W. Miles, NIAMDD, Bg. 4, Rm. 109.

9/26—Dr. Alec Edmund Martin, United Kingdom, Office of Associate Director for Program. Sponsor: Dr. Hans L. Falk, NIEHS, Research Triangle Park, N.C.

9/26—Dr. Akepati Reddi, India, Laboratory of Biological Structure. Sponsor: Dr. Edward D. Eanes, NIDR, Bg. 30, Rm. 224.

9/26—Dr. Apolinary Sobieszek, Denmark, Cardiology Branch. Sponsor: Dr. Robert S. Adelstein, NHLBI, Bg. 10, Rm. 7B06.

9/27—Dr. Narendra N. Tandon, India, Pulmonary Branch. Sponsor: Dr. Elwood O. Titus, NHLBI, Bg. 10, Rm. 5N321.

9/29—Dr. Helmut Pockberger, Austria, Laboratory of Experimental Neurology. Sponsor: Dr. William F. Caviness, NINCDS, Bg. 36, Rm. 4A27.

9/30—Dr. Selva Cigorraga, Argentina, Reproduction Research Branch. Sponsor: Dr. Maria L. Dufau, NICHD, Bg. 10, Rm. 12N216.

### Visitors From Israel

10/1—Dr. Itzhak Binderman, Israel, Laboratory of Developmental Biology and Anomalies. Sponsor: Dr. George R. Martin, NIDR, Bg. 30, Rm. 416.

10/1—Dr. Zvi Ioav Cabantchik-Barnea, Israel, Laboratory of Kidney and Electrolyte Metabolism. Sponsor: Dr. Maurice B. Burg, NHLBI, Bg. 10, Rm. 6N307.

10/1—Dr. Gianfranco Canti, Italy, Laboratory of Immunobiology. Sponsor: Dr. Herbert J. Rapp, NCI, Bg. 37, Rm. 2B20.

10/1—Dr. Michael Cohen, The Netherlands, Laboratory of Chemical Pharmacology. Sponsor: Dr. Bruce Chabner, NCI, Bg. 10, Rm. 6N113.

10/1—Dr. Luis Enjuanes, Spain, Laboratory of Oral Medicine. Sponsor: Dr. Abner L. Notkins, NIDR, Bg. 30, Rm. 121.

10/1—Dr. Aryan Nambodiri, India, Behavioral Biology Branch. Sponsor: Dr. David C. Klein, NICHD, Bg. 6, Rm. 128.

10/1—Dr. Tetsuya Ono, Japan, Cellular Molecular Aging Branch. Sponsor: Dr. Richard Cutler, NIA, Gerontology Research Center, Baltimore, Md.

10/1—Dr. Christiane Van Potelsberghe, Belgium, Section on Electron Microscopy. Sponsor: Dr. Monique Dubois-Dalq, NINCDS, Bg. 36, Rm. 5C10.

10/4—Dr. Bernard Rentier, Belgium, Section on Electron Microscopy. Sponsor: Dr. Monique Dubois-Dalq, NINCDS, Bg. 36, Rm. 5C10.

10/12—Dr. Israel Tamir, Israel, Lipid Metabolism Branch. Sponsor: Dr. Basil Rifkind, NHLBI, Bg. 31, Rm. 4A19.

### 'Swine' Flu Shots Ready At NIH in Early November

"Swine" flu vaccines, both monovalent and bivalent, will be made available to NIH employees as soon as they are received from the Montgomery County Health Department.

The tentative dates for giving the shots here will be early November, according to Dr. Robert J. Brandt, medical director of the Occupational Medical Service, formerly the Employee Health Service.

### Coast Guard to Teach Sailing for Novices Here

The U.S. Coast Guard Auxiliary, Flotilla 7-10, is again teaching a sailing course here at the invitation of the NIH Sailing Association.

Beginning this coming Thursday, Oct. 21, at 7:30 p.m., in Bldg. 37, Room 1B-02, there will be one lecture per week for 7 weeks and a final exam the 8th week.

The course includes details about a sailboat and sailing theory for beginners and those with limited sailing experience. Children and teenagers are also welcome to enroll.

Classroom space is limited so preregistration will be on a first come, first served basis in Bldg. 36, Room 2A-11. A course fee of \$6.50 for text and workbook must be paid at registration.

If space is still available, registration will also be held when the first class meets.



Shellie Lengel was recently appointed Clinical Center information officer and chief of the Office of Clinical Reports and Inquiries. A graduate of Duke University, Mrs. Lengel's most recent post was at NICHD. She began working in the Public Health Service's Division of Occupational Health in 1962. She has also served as information officer for the Chronic Respiratory Disease Program, Division of Chronic Diseases, and later transferred to the Consumer Protection and Environmental Health Service.

### Contractors to Report 'Swine' Flu Vaccine Trials on Children

Results of the most recent trials of "swine" flu vaccines in children will be reported at a meeting to be held here Friday, Oct. 22.

The conference, chaired by Dr. John R. Seal, Deputy Director of the National Institute of Allergy and Infectious Diseases, will take place in Bldg. 31, Conference Room 4, from 9 a.m. to 5 p.m.

Approximately 60 investigators and consultants are expected to attend. Included will be the DHEW Advisory Committee on Immunization Practices and the Infectious Diseases Committee of the American Academy of Pediatrics.

Other interested persons will be welcomed on a space-available basis.

### Further Tests Done

Because the first tests of the vaccines showed them to be less than satisfactory in children, further testing was undertaken to determine a satisfactory dosage schedule for normal children.

Over 2,000 persons, ranging in age from 6 months to 24 years, have participated in these latest trials.

Testing was conducted by 16 NIAID contractors scattered throughout the United States under the overall coordination of Drs. David Karzon and Peter Wright, department of pediatrics, Vanderbilt University School of Medicine.

Tests were also conducted in about 110 young volunteer employees of NIH and the Bureau of Biologics.



CHAMPIONS of the 1975-76 R&W basketball season, the victorious Invaders pose for a group portrait. Back, l to r: Sandy Freeman, Ronnie Davis, Clyde Colmes, Jr., Leonard Williams, and player-coach Edward Radden. Front: Ray Danner (l) and Gerald Winston.

# Combined Federal Campaigners Concentrate on Reaching Goal

The Combined Federal Campaign at NIH got a late start, but campaign officials say they are hoping for a fast finish.

Planning to concentrate their efforts for a briefer period than last year, CFC workers opened this year's campaign on Oct. 5. They are confident they will exceed the quota of \$234,194 by the end of the drive on Oct. 29.

At press time, first week reporting figures showed that campaign contributions totaled \$33,405.65, 14 percent of NIH's goal. Several institutes did not have reports for the final week.

To spur interest and increase participation in the drive, a "Lucky 13" rally was held Oct. 13.

Dr. Donald S. Fredrickson, NIH Director and CFC chairman, told the rally audience, "This year we are emphasizing full participation by all employees, consistent with our campaign theme, 'MORE PEOPLE GIVING, and people giving more.'"

He noted that NIH participation has gone down over the past 3 years, hitting an all time low of only 60 percent last year.

Others on the rally program were Edwin Sexton of the White House staff and Mike Bass, ex-Redskin football star. After his talk, Mr. Bass selected lucky numbers for the door prizes donated by the NIH Recreation & Welfare Association.

"We are trying to emphasize the differences in this year's campaign," said Jean Oliver, an NINCDS employee who is CFC coordinator for NIH.

She explained, "Prince George's County is back in the United Way organization; the Black United Fund has many vital and worthwhile causes to be considered this year, and we have established personal contact with all of our key-people."

One of many agencies benefitting from the CFC is the Capitol East Children's Center in southeast D.C. The Center is a non-profit, parent-controlled child care agency concerned with providing quality full-time care primarily for children of working parents in the Capitol East community. Several NIH keypeople visited the children. Clockwise from top right are: John Jones (c), NINCDS administrative officer, and Vernoy Hite, HEW management intern now working at NINCDS, admire Harry the

Rabbit, a Center resident. Mr. Hite joins the children as they prepare for lunch. Cindy Eagle, Division of Financial Management, watches the children show off their housekeeping knowledge. Mr. Jones listens with the children at storytime. Because the CFC enables the United Way to help this Center and numerous other organizations continue their excellent work, Dr. Donald B. Tower, NINCDS Director and CFC vice-chairman, signs the first pledge card for the 1976 drive as CFC coordinator Ms. Oliver looks on.



Photo  
by  
Doug  
Williams



## Conference on Predictive Tools, Safety Evaluation Scheduled for Nov. 17-19 in Little Rock, Arkansas

NIH and FDA's National Center for Toxicological Research are co-sponsoring a conference—The Status of Predictive Tools in Application to Safety Evaluation: Present and Future—at the Americana Inn, Little Rock, Ark., Nov. 17-19.

### Topics Extended

An extension of previous NIEHS conferences on mathematical and biological risk evaluation, the conference's five sessions; and their chairmen will be:

- Use of Epidemiological Considerations as Predictive Tools; Dr. John Higginson, Director, Inter-

national Agency for Research on Cancer, Lyon, France.

- Mutagenesis; Dr. W. Gary Flamm, assistant director, Division of Cancer Cause and Prevention, National Cancer Institute.

- Toxicification and Detoxification of Chemicals and Their Relevance in Assessment of Safety; Dr. Perry J. Gehring, Director, Toxicology Research Laboratory, Dow Chemical.

- Animal Toxicity and Carcinogenesis; Dr. Harold C. Grice, Director, Bureau of Chemical Safety, Health Protection Branch, Food and Drug Directorate, Canada.

- Mathematical Modeling and Safety Risk Evaluation; Dr. David Gaylor, chief of Biometry, NCTR.

### NIH'ers to Speak

Several NIH'ers will speak: Drs. John Bend, Frederick J. deSerres, David Hoel, and Raymond Shapiro from National Institute of Environmental Health Sciences; Drs. Joseph F. Fraumeni, Jr., Herman F. Kraybill, and Robert W. Miller from the National Cancer Institute and Dr. Jerry R. Mitchell from the National Heart, Lung, and Blood Institute.

Conference chairmen are Dr. Morris F. Cranmer, NCTR Director, and Dr. Myron A. Mehlmán, NIH Interagency Liaison Officer.

A preconference registration room will be open at the Americana Inn in Little Rock from 5 to 12 p.m. on Tuesday, Nov. 16. Conference attendees are requested to register in advance and to make their own travel and accommodation arrangements.

### Contact Dr. Mehlmán

For further information, contact Dr. Mehlmán, Ext. 69281.