

the



Record

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

May 16, 1978
Vol. XXX, No. 10

NATIONAL INSTITUTES OF HEALTH

Dr. O'Connor Appointed Director, Div. of Cancer Cause and Prevention

Dr. Gregory T. O'Connor has been named director of the Division of Cancer Cause and Prevention of the National Cancer Institute.

Dr. O'Connor, who has been acting division director since September 1977, will continue temporarily as the Institute's associate director for International Affairs, a position he has held since 1973.

The Division of Cancer Cause and Prevention, one of the largest of NCI's operating units, encom-

PHS Will Honor Nineteen NIH Employees At Annual Awards Ceremony on May 19

The outstanding achievements and contributions of 19 NIH staff members will be recognized at the Third Annual Public Health Service Honor Awards Ceremony to be held on Friday, May 19. The ceremony will take place at 2 p.m. in the Department Auditorium, HEW North Bldg. Dr. Julius B. Richmond, Assistant Secretary for Health, PHS, will present the awards.

Nine NIH Commissioned Officers will receive the Meritorious Service Medal. The Medal recognizes a single important achievement, a career notable for accomplishments in technical or professional fields, or unusually high quality and initiative.

The PHS Superior Service Award, the highest honor award for Civil Service employees pre-

sented by PHS, recognizes superior contributions of an extraordinary nature over a period of time. Six NIH employees will receive this recognition.

The PHS Special Recognition Award recognizes and honors an outstanding and specific contribution of meritorious benefit to the PHS, having substantial impact toward the advancement of its mission. Four NIH employees will receive the Award.

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Dr. Robert M. Chanock Of NIAID Will Present Dyer Lecture on May 31



In 1966 Dr. Chanock received the Kimble Methodology Award for his "outstanding contributions to the development of new and better procedures in the field of public health."

Dr. Robert M. Chanock, chief of the Laboratory of Infectious Diseases of the National Institute of Allergy and Infectious Diseases, will deliver the 27th Annual Dyer Lecture on May 31 at 8:15 p.m. in the NIH Clinical Center's Masur Auditorium.

Talks on Influenza Virus

An eminent scientist in the field of infectious diseases—and in particular, influenza—Dr. Chanock's subject will be Influenza Virus—Recent Insights and Prospects for Effective Control.

Dr. Chanock will discuss the significant advances made in the past few years in understanding the molecular anatomy of the influenza A virus.

Although more and more has been learned about how the virus changes antigenically and thus evades the host's immune defense mechanism, effective control of epidemic and pandemic influenza remains a goal rather than a reality.

He believes, however, that there is cause for optimism. Using *in vitro* techniques, mutant genes are now readily identifiable and can be transferred by genetic reassortment to new antigenic variants of the influenza A virus.

In this way, attenuated recom-



Dr. O'Connor has been chairman of the Commission on Epidemiology and the U.S. National Committee of the International Union Against Cancer, and has served as a member of UICC's Executive Committee.

passes four program areas: carcinogenesis research, carcinogenesis testing, viral oncology, and field studies and statistics. In fiscal year 1977, the Division expended \$145 million, or about 18 percent of NCI's \$816 million budget.

Dr. O'Connor, who is certified by the American Board of Pathology in pathologic anatomy and clinical pathology, joined the NCI staff in 1960.

His early Institute activities involved direction and supervision of the postmortem and surgical pathology services and the residency training program.

In 1966, Dr. O'Connor was assigned by NCI to the World Health Organization, where he worked 2 years helping organize and develop the then newly-formed Interna-

(See DR. O'CONNOR, Page 9)

HEW Celebrates Its 25th Anniversary—With Big Bird, Exhibits, Films, Dancing

The Department of Health, Education, and Welfare will celebrate its 25th Anniversary on Wednesday and Thursday, May 23 and 24.

HEW Secretary Joseph A. Califano, Jr., assisted by Big Bird of Sesame Street, will cut a huge birthday cake on the morning of the 23rd in the lobby of the Hubert

H. Humphrey Bldg.

Called A Celebration of People, the event, from 10 a.m. to 6 p.m. each day, will focus on a variety of activities and exhibits that illustrate HEW's past, present, and future in serving the needs of American citizens.

Weather permitting, there will be folk dancing in the plaza in front of the Department's HHH Building. Inside the building on the ground floor area, besides a replica of the late Senator Hubert H. Humphrey's drug store (from his early days in Minneapolis), Departmental exhibits selected by the Celebration Committee will be set up.

NIH Plans Exhibits

Activities, demonstrations, or exhibits from NIH will include: National Cancer Institute (breast self examination); National Heart, Lung, and Blood Institute (hypertension testing, echo cardiography, and cardiac pulmonary resuscitation); National Institute of General Medical Sciences (Nobel Laureates supported by HEW); National Eye Institute (visual acuity and color vision testing, simulated visual impairment); National Institute on Aging (graying of America; measuring upper body strength); Division of Research

(See ANNIVERSARY, Page 11)

American Academy of Arts, Sciences Elects 3 NIH'ers

Three NIH'ers are among the 107 members newly elected to the American Academy of Arts and Sciences at its 178th annual meeting May 3. Twenty-six Foreign Honorary members from nine countries were also elected at the meeting in Boston.

Newly elected to the academy are:

- Dr. D. Carleton Gajdusek, chief of the Laboratory of Central Nervous System Studies, NINCDS.

- Dr. Maxine F. Singer, head of the Nucleic Acid Enzymology Section, Laboratory of Biochemistry, Division of Cancer Biology and Diagnosis, NCI.

- Dr. Bernard Witkop, chief of the Laboratory of Chemistry and of the Section on Metabolites, NIAMDD.

the NIH Record

Published biweekly at Bethesda, Md., by the Editorial Operations Branch, Division of Public Information, for the information of employees of the National Institutes of Health, Department of Health, Education, and Welfare, and circulated by request to interested writers and to investigators in the field of biomedical and related research. The content is reprintable without permission. Pictures are available on request. The NIH Record reserves the right to make corrections, changes, or deletions in submitted copy in conformity with the policies of the paper and the Department of Health, Education, and Welfare.

NIH Record Office Bldg. 31, Room 2B-03. Phone 496-2125

Editor Frances W. Davis

Associate Editor Heather Banks

Staff Correspondents

ADA, Judy Fouche; CC, Susan Gerhold; DCRT, Mary Hodges; DRG, Sue Meadows; DRR, Jerry Gordon; DRS, Arthur F. Moore; FIC, George Presson; NCI, Dr. Robert M. Hadsell; NEI, Julian Morris; NHLBI, Bill Sanders; NIA, Ann Shalowitz; NIAID, Jeanne Winnick; NIAMDD, Pat Sheridan; NICHD, Tina McIntosh; NIDR, Sue Burroughs; NIEHS, Hugh J. Lee; NIGMS, Wanda Wardell; NIMH, Betty Zubovic; NINCDS, Carolyn Holstein; NLM, Roger L. Gilkeson.

Chat, Picnic, and Dance With NIH Singles Group

About 30 persons enjoyed stuffing themselves at the NIH Singles Club potluck supper May 1. Ongoing activities include:

- After work get together on Tuesdays from 5:30 to 7 p.m. in the Rec Room of Bldg. 20 now feature music, and refreshments are available at cost. Beginning May 30 free disco dancing lessons will also be offered on Tuesdays.

Call for Reservations

- Next Tuesday, May 23, a picnic is planned at Carderock Park. Please contact Susan Skuntz, 496-2013, for directions and send a check (\$2 for members, \$3 for guests) to her in Bldg. 37, Room 2A19 so that sufficient food may be ordered.

- Please call Pete Eddy, 496-2146, Bldg. 31, Room B2-C23 for reservations for the dance to be held Friday, June 2. There will be a cover charge of \$3 for members and \$4 for guests.

New members and guests are always welcome.

Cliburn, Caldwell with NSO—Dinner, Too! Sign Up at R&W

The Recreation and Welfare Association is going to Wolf Trap, America's first National Park for the Performing Arts. The first event will feature the National Symphony with Sarah Caldwell, guest conductor, and Van Cliburn, pianist. The performance is Saturday, June 17.

Rear orchestra seats have been reserved for this delightful event and a buffet dinner is included featuring entrees of chicken cordon bleu and steamship round of beef. This complete evening of fun and

Register Teams NOW For Relay May 24

Teams MUST be registered by Friday, May 19 for the Institute Relay. No exceptions will be made. The Relay will be held Wednesday, May 24 at 12:15 p.m., rain or shine. Each participant will receive a ribbon.

The half-mile course for each member of the 5-person teams will begin from Bldg. 1, turn right at South Drive, right at Memorial Drive, right at Center Drive returning to Bldg. 1.

Because many runners are expected to be inexperienced relay participants, there may be some hazards at the time of exchanging batons. If more than 25 teams enter, two heats will be run.

Contact Dr. Peter Pentchev, Bldg. 10, Room 3D-14, to register for the Relay or to volunteer as an official.

The Beginner's 1-Mile and 3-Mile Series are continuing on Wednesday afternoons at 5:30 p.m. starting from Bldg. 1. Everyone is invited to participate.

The
NIH SAILING ASSOCIATION
Will Meet
Thursday, May 25
Bldg. 30, Room 117, 8 p.m.
Everyone Welcome

entertainment is \$15.50 per person.

Tickets for this and other special performances including the Joffrey Ballet in August will be available at the R&W Activities Desk. Please plan on joining us for this exciting cultural event.

Patients Observe Passover Seder in CC Chapel



With a little help from his friends, Rabbi Joseph Levine held the dinner service for CC Jewish patients with Haggadahs (prayer books), matzo, the traditional unleavened bread, and wine.

2 Singing Groups to Give Spring Concert on May 18

The NIH Singers and the NIH Madrigal Singers are presenting their spring concert on Thursday, May 18, at noon in the Masur Auditorium.

Both groups will offer a number of *a capella* selections from various periods.

The featured work of the concert will be Henry Purcell's "Rejoice in the Lord Always" with vocal trio, two alto recorders, and a string quartet accompanying the chorus.

Employees, patients, and their guests are invited to attend this R&W-sponsored event.

For further information about either singing group, contact Lewis Norton, 496-1686, or Glenn Ricart, 496-4823.

R&W Plans New Opportunity For Retirees To Participate

The Recreation and Welfare Association is looking for a few good retirees. Aware that our retired members, not being located on the NIH reservation, are limited in their R&W participation, an opportunity is being offered to become more actively involved.

Plans are being formulated for meetings and parties including volunteer work for activities benefiting the Patient Emergency Fund at the Clinical Center.

All retired members interested in this club should send their name, address, and telephone number to the R&W Office, Bldg. 31, Room 1A-17, 9000 Rockville Pike, Bethesda, Md. 20014.

If any NIH employees have friends who are retirees, please help spread the word about our efforts and have them send their names to our office.

Why not become a founding member? Help change the statement "oldies but goodies" to "oldies are goodies."

In the Clinical Center on the evening of April 21, joyous singing was heard coming from the 14th floor Chapel. For the evening, the Chapel was transformed into a Temple or "Shule" and a Passover Seder was performed by the Rabbi of the Clinical Center's Spiritual Ministry Department.

The flower arrangement for the table was provided by Mary Brew, secretary in the CC Spiritual Ministry Department, a Catholic; the candlesticks were borrowed from the Protestant Chapel.

A Jewish Red Cross volunteer, Bertha Malhmoed, supplied the tablecloth; Hilda Gruskin, an NLM employee, provided the traditional Seder plate and ritual foods; the wine came from the CC Pharmacy Department, and Father Michael Griffin, CC Spiritual Ministry Department, brought the Rabbi his dinner.

Dinner for the CC patients was a little more complex since many were on special diets, so the Rabbi used a Chinese dinner menu motif and offered the patients a choice—one from column A or one from column B.

★★ NIH Softball Team ★★ ★ Clobbers White House ★

It was a rout—hardly a contest—as 500 loyal fans watched the NIH Gashouse Gang trounce a feeble White House softball team 23-10 in 9 innings of antics on a sunny Sunday afternoon, May 7.

About \$400 was raised for the Patient Emergency Fund, owing to sports fans who bought tickets for the many door prizes, munched hotdogs and cookies and swilled cokes while watching the White House go down to defeat.

Red, white, and blue T-shirts commemorating the glorious occasion are still available, ONLY in the Bldg. 10, R&W store. All sales now represent clear profit for PEF.

Hospitalization Insurance For Visiting Fellows—Open Season Till June 9

The Association of Visiting Fellows Group Hospitalization Program, sponsored by the Foundation for Advanced Education in the Sciences, will be having open season for new subscribers from May 15 through June 9.

May Change Coverage, Too

Coverage will be effective July 1, 1978. Current subscribers may change their coverage to "Family" at this time.

NIH Postdoctoral Fellows, Commissioned Officers, Visiting Fellows, Associates, scientists and Guest Workers who have not yet enrolled in the program will be eligible for coverage with certain restrictions because of joining late.

Applications and premiums are due in the FAES insurance office by June 9.

For further information, call Nancy Cassity, 496-5272.

USDA Summer Schedule Of Classes Now Available

The Graduate School, U.S. Department of Agriculture's schedule of 1978 Summer Quarter Courses is now available.

The schedule includes many day, evening, and correspondence courses to help improve job skills, advance careers, or develop skills for an entirely new career.

A variety of leisure courses are also offered for those who wish to pursue a new hobby or interest.

Registration for summer evening courses will be held June 5-10 in the USDA Patio, Administration Bldg., Independence Ave. between 12th and 14th Streets, S.W., weekdays from 11 a.m. to 6:30 p.m.; Saturday, 9 a.m. to 4 p.m.

For a copy of the summer schedule, visit Room 1031, South Agriculture Bldg.; or call 447-4419.

UMC Students Honored

Lulie J. Terry, an NCI employee, has received a John L. Pinkett, Inc., Leadership Award of \$100. Ms. Terry, a senior in the NIH Upward Mobility College, was selected by the Scholarship and Awards Committee of the School of Business and Public Management, University of the District of Columbia, based upon her superior academic achievement and outstanding service and leadership in both the college and community.

Also recognized at the school's banquet on April 28 were additional NIH Upward Mobility College students who earned a place on the School of Business Dean's List: Sydelle Bailes, CC; Betty Lester, DRG; Kenneth Painter, NICHD; Loraine Royal, CC; Linda Walsh, NHLBI, and Kenneth White, DCRT.

Winners Chosen From Hundreds of NIH Photo Contest Entries

Hundreds of entries were judged in the First NIH Photography Contest on May 8. Nearly 100 persons watched the judges—Marshall H. Cohen, Ollie Fife, and Silom Horwitz—make their decisions.

Several of the winning black and white prints are reproduced here-with. These were selected because the necessary severe reduction from the original least affects these winning entries. Color prints and slides unfortunately cannot be successfully converted for publication in black and white.

First place in black and white prints went to Dr. Luis M. de la

Maza; second place—John W. Boretos; third place—Robert Baird.

Entrants receiving honorable mention were: Dr. Bernard Rentier (2), Joel Rosenthal, Joel Sugarman, Dr. Mischa E. Friedman, Harry G. Schaefer, and Marcos Rodrigues.

Color print prize winners were: first place—Morris M. Graff; second place—Dr. Thomas A. Waldmann; third place—Morris M. Graff.

Receiving honorable mention were: Dr. Waldmann (2), Dr. James E. Strickland, Dr. Pierre A. Henkart, David A. Prevar, and Dr. Irwin M. Chaiken (2).

Winners in the color slide category were: first place—Nancy Goor; second place—Dr. Francis J. Kendrick; third place—Dr. Luis M. de la Maza.

Honorable mention was given to: Dr. de la Maza (2), Dr. Thomas A. Waldmann, Dr. Bernard Rentier (2), Lawrence J. Fitzgerald, Jr., and Dr. Jay Nutt.

Nature Competition Tonight

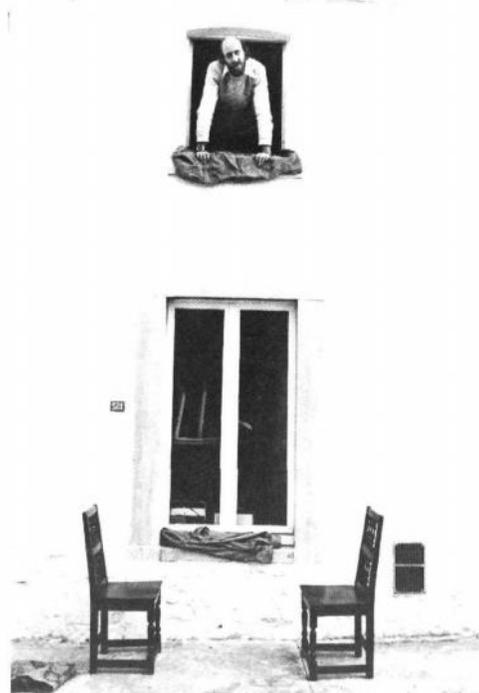
The NIH Camera Club will hold a nature competition in all three categories tonight, May 16, in Bldg. 31, Conference Room 4, at 8 p.m. Everyone interested is invited to attend and/or submit entries.



Life—First Prize—Dr. Luis M. de la Maza



Blind?—Honorable Mention—Dr. Bernard Rentier



Moving—Honorable Mention—Dr. Bernard Rentier



Abandoned House, Sugarloaf Mountain
Honorable Mention—Dr. Mischa Friedman

NIAMDD Grantees in Chicago Synthesize 'New' More Active, Stable Prostaglandin

Drs. Josef Fried and Jeffrey Barton of The University of Chicago have synthesized a "new" prostaglandin that plays perhaps the key role in the regulation of blood pressure and the inhibition of blood clots. The prostaglandin is a stable, highly active analog of prostacyclin (PGI₂).

Prostaglandins are hormones synthesized in individual body cells rather than in glands. They are highly important in the regulation of hormone activity in the menstrual cycle and in muscular activity.

Should the new drug prove to have no toxic or undesirable side effects in animals and humans, it may provide a new method for treating patients in the renal or pulmonary hypertensive diseases as well as potentially fatal thromboembolic diseases.

Has Longer Half Life

Natural prostacyclin, which is produced in cells in the arterial walls of man and other mammals, has a half life of only 5 minutes.

Tests conducted by the Karolinska Institute in Stockholm of The University of Chicago analog, a so-called methyl ester of 13, 14-dehydroprostacyclin, indicated that it retained biological activity fully equal to that of natural PGI₂ for 20 hours or more.

Tests by Dr. P. J. Kadowitz and colleagues at Tulane University of Dr. Fried's PGI₂ analog demonstrated a 20 percent increase in renal (kidney) and pulmonary (lung) blood flow in experimental animals.

Extensive Tests Planned

Dr. Fried plans extensive laboratory and animal testing of the new prostacyclin analog to determine in greater detail the activities and possible side effects of this compound and to study its action mechanism.

Together with its antagonist, thromboxane A₂ (TxA₂), prostacyclin regulates blood pressure and clotting. Thromboxane, also a prostaglandin, is synthesized in the blood platelets.

Platelets are blood components whose aggregation causes clotting. If there is damage to the arterial wall, the platelets synthesize TxA₂ upon contact with exposed collagen (connective fiber) in the artery wall.

Aspirin Studied

It is thought that TxA₂ may also play a key role in the formation of atherosclerotic plaques (hardening of the arteries). The role of prostacyclin and thromboxane in the regulation of clotting and blood pressure was realized only very recently.

Aspirin inhibits the formation of thromboxane. Aspirin is currently under study by a Government-sponsored nationwide project as a drug that might help prevent clotting and heart attacks.

Dr. Fried had previously investigated a group known as the 13-dehydroprostaglandins, synthetic prostaglandin analogs that he believes offer great potential, with appropriate structural alterations, as prostaglandin substitutes. The alterations avoid some of the undesirable characteristics of naturally-occurring prostaglandins.

The new prostacyclin analog is one of several 13-dehydroprostaglandin-derived compounds that Dr. Fried has produced in recent years. Until now, their potential use has been principally as contraceptive analogs of PGF₂-alpha, a naturally-occurring prostaglandin that regulates smooth muscle activity (birth contractions) in the female reproductive system.

When Dr. Fried synthesized the new analog, the structure of PGI₂ was not precisely known. He deduced the probable three-dimensional structure from a statement concerning its stability presented in a now classic paper by Dr. John Vane of the Wellcome Research Laboratories in England, and the synthetic substance proved to have all the biological properties of the original.

Both prostacyclin and thromboxane are synthesized in the human body from so-called endoperoxides, PGG₂ and PGH₂, which are also prostaglandins. The precursor of all prostaglandins is arachidonic acid, a fatty acid found in all tissues.

Dr. Fried is the Louis Block Professor and chairman in the department of chemistry and profes-

What Do You Know About Blood Pressure?

Got a pencil? Try your hand at this quiz.

TRUE OR FALSE

- #1—Nervous and tense people are the ones with hypertension.
- #2—You cannot tell you have high blood pressure by the way you feel.
- #3—Most high blood pressure can be cured.
- #4—You can skip your blood pressure medication if you diet, exercise more, stop smoking or relax.

#1 is false: A calm, relaxed person can have hypertension, too. Hypertension is a *physical*, not emotional, condition—it means the force of blood pressing against the blood vessel walls is too high.

#2 is true: You can look and feel great and *still* have high blood pressure. A quick, painless blood pressure check is the only way to detect hypertension.

#3 is false: Most high blood pressure *cannot* be cured, but most high blood pressure *can* be controlled. Hypertensives must usually continue daily treatment, but they can live normal, happy lives.

#4 is false: Your doctor may put you on daily medication and *also* advise more exercise or a low-salt diet. Exercising or dieting cannot take the place of pills. They may, however, greatly reduce the need for medicine.

May is National High Blood Pressure Month. During May and throughout the year remember: High Blood Pressure . . . Treat It for Life.

For more information, call the High Blood Pressure Information Center, 496-1809.

sor in the department of biochemistry and the Ben May Laboratory for Cancer Research at The University of Chicago. Dr. Barton is a research associate in biochemistry in Dr. Fried's laboratory.

A report of the methods used in the synthesis of the new prostacyclin analog appeared in the June 1977 *Proceedings of the National Academy of Sciences*. A preliminary report was presented at the annual symposium of the Intra-Science Research Foundation in Santa Monica, Calif., in December 1976.

The research was supported by grants from the National Institute of Arthritis, Metabolism, and Digestive Diseases. A grant from the National Cancer Institute supported purchase of NMR (nuclear magnetic resonance) qualitative analysis equipment used for analytical purposes in the project.

7 Teaching Hospitals Develop AV Program

A unique effort to combine hospital training activities and library services has been undertaken by Cornell University Medical College. The project is supported by a National Library of Medicine medical library resource project grant.

Now in its second year, the project is well on its way towards providing what the consortium organizers term a Library-Based Audiovisual Learning Program.

Consortium Cited

The consortium is composed of Cornell University Medical College, its seven affiliated teaching hospitals—New York Hospital, Memorial Sloan-Kettering Cancer Center, Hospital for Special Surgery, North Shore University Hospital, Burke Rehabilitation Center, Payne Whitney Psychiatric Clinic, and the New York Hospital Westchester Division—and the Cornell University-New York Hospital School of Nursing.

The consortium's purpose is to develop a system for mutual curriculum planning and to share self-instructional audiovisual materials for use with the curricula.

Training Supplied

The AV materials will be used to support both continuing education and in-service training programs for professional and nonprofessional hospital personnel.

Erich Meyerhoff, director of the Cornell University Medical College Library, is principal investigator for the project.

For information write: Andrea Sherman, Media Coordinator, Samuel J. Wood Library Media Dept. C-05, Cornell University Medical College, 1300 York Ave., New York, N.Y. 10021.



Mary E. Corning (c), the National Library of Medicine's assistant director for International Programs, recently returned from a trip to Cuba. She made the trip at the invitation of Dr. Jose A. Gutierrez Muniz, Minister of Public Health. Agreement was reached on an exchange of publications between NLM and the Ministry's National Information Center for Medical Sciences. The NLM also received, for a 3-week specialized training program, Daisy del Valle (l), chief of the Department of Information Development, National Information Center for Medical Sciences, and Pompeye Garcia (r), Director, National Medical Library of Cuba.

Rare 16th-19th Century Works Acquired at NLM For Historical Collection

The National Library of Medicine's historical collections continue to be enriched by new acquisitions—in recent months ranging from 16th century editions of Galen to a rare German translation of Boerhaave's chemistry and 19th century pamphlets from San Francisco.

Among the well-known works added was the second edition of Timothy Bright's *A Treatise of Melancholy* (London, John Windet, 1586). The work is important not only in the history of psychiatry but also in the history of English letters, since it was used by Shakespeare as an important source of ideas when writing *Hamlet*. The Library now holds all the editions listed in Sir Geoffrey Keynes's bibliography of Bright's works.

Scarcity Noted

Another acquisition is an extremely rare edition of the same author's admittedly less significant work, *In Physicam Gulielmi Adolphi Scribonii* (Frankfurt, 1587). Even Keynes, in his bibliography, noted only a record of a copy sold at Sotheby's in 1845 but was unable to locate a copy.

Pollard and Redgrave, *A Short-Title Catalogue of Books Printed in England . . . 1475-1640* (London, 1926) and various related works have long since revealed the extent and popularity of a number of medical works written in the vernacular, as well as the scarcity, in many cases, of surviving individual copies.

The Library has added five such works during recent months. The rarest, apparently, is *A Boke of the Properties of Herbes* (London, Wyllyam Copland for Rychard Kele, ca. 1553?), an issue which is not in the STC. Based on the earlier Banckes' Herbal, it gives the qualities and virtues of a number of English plants.

Others include:

Andrew Boorde, *The Breviary of Healthe* (London, 1552) with extensive manuscript annotations in a contemporary hand;

Other Works Listed

Thomas Cogan, *The Haven of Health* (London, 1612);

Stephen Hobbes, *Margarita Chyrurgica; Containing a Compendious Practise of Chyrurgerie* (London, 1610);

Thomas Moulton, *This is the Myrrour or Glasse of Helth* (London, 154-?).

These works are significant not only bibliographically, but more importantly illustrate the practice of medicine and surgery among lay practitioners and barber surgeons, who were far more numerous than learned physicians in the 16th and 17th centuries.

Technique of Whole Body Hyperthermia Found Feasible for Cancer Treatment

Whole body hyperthermia, a method used to raise body temperature over a specific period of time, has been found to be feasible and safe for use in humans. Dr. Joan M. Bull and her co-workers in the National Cancer Institute's Division of Cancer Treatment say that this technique may be applied to the treatment of advanced cancer.

An evaluation of the technique was reported by Dr. Bull on April 4 at the 14th Annual Meeting of the American Society of Clinical Oncology in Washington, D.C.

Laboratory tests have shown that cancer cells can be killed by temperatures greater than 41° C. There is evidence that cancer cells are more sensitive to heat injury than normal cells, suggesting that cancer might be treated without harming the patient.

NCI scientists induced hyperthermia using a high-flow water suit controlled by a microprocessor, a machine which closely monitors body temperature.

The temperature was raised by the insulated buildup of metabolic (body) heat, plus by the heat delivered by the warm-water suit.

In the study, 14 patients with a variety of advanced cancer (cancers that had spread) which had not previously responded to other treatment methods were exposed to whole body hyperthermia at 41.8° C for a maximum of 4 hours. Normal body temperature is 37° C.

The patients were sedated and slept during the procedure but could be awakened easily.

The most important requirement for safe tolerance of hyperthermia was a normal cardiovascular system. Physiologic changes that accompany body temperature increases were closely monitored throughout the treatment.

Thermistors (thermometers that can detect very small changes in temperature) were used to check rectal, esophageal, and skin temperatures. Heart rate and blood pressure through the heart were monitored and recorded.

The 14 patients in the study varied in age from 18 to 61 years; 5 were female and 9 were male. Nine patients reached the maximum dose of 4 hours at 41.8° C. Four patients were removed from the study because of cancer progression, and one patient could not tolerate heat beyond 40.2° C.

Patients experienced severe fatigue after treatment, and some had diarrhea and nausea. Four patients developed peripheral neuropathy (functional disturbance in the nervous system), but symptoms disappeared despite continued heat



Royston Parch (l), a supervisory mail clerk at the National Library of Medicine, is presented with a framed letter of appreciation from President Carter by NLM assistant director for Administration Kent Smith. Mr. Parch, who had earlier received a cash award for suggesting a new method of wrapping books for mailing, also received a congratulatory letter from HEW Secretary Joseph A. Califano, Jr., who thanked him for his "special contribution to the efficient operation of this Department." Mr. Parch's new wrapping methods have been adopted throughout NIH.

treatments.

Dr. Bull and her colleagues concluded that whole body hyperthermia to 41.8° C is a feasible and safe procedure if careful patient monitoring techniques are used.

Future studies will combine the technique with chemotherapy.

NLM Exhibits Pictures, Artifacts of Early Frontier Medicine

A new exhibit in the National Library of Medicine lobby focuses on health and medicine as experienced and practiced in the trans-Mississippi West by early Anglo-American explorers, by the fur trappers, by the military in isolated posts along the expanding frontier, by the emigrants along the overland trails, and finally by the early settlers.

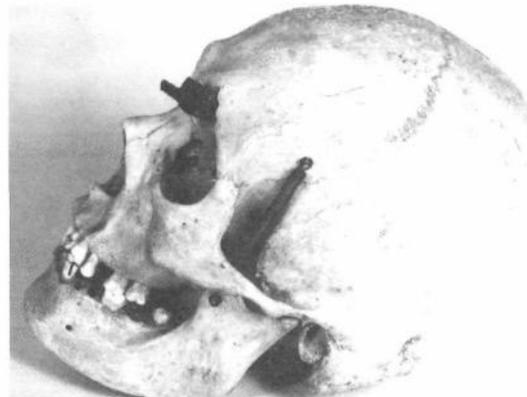
The exhibit features published and unpublished materials (including diaries of early military sur-

geons on the frontier, from the NLM collections); pictures of the early West from the Western History Collection, Denver Public Library, and other sources; and artifacts.

Among the artifacts are early surgical instruments, including arrow extracting forceps developed in 1876; a medicine case from the Spanish southwest; and the fur trappers' "Green River" knives used as bleeding instruments as well as for amputations.

Also exhibited are examples of the firearms so frequently used by the frontier citizenry that some physicians became very proficient in the treatment of gunshot wounds.

The exhibit will remain on view until Sept. 15. An illustrated booklet, *Medicine on the Early Western Frontier*, is available without charge from NLM's Office of Inquiries (Attn: Exhibit Brochure). Please enclose a self-addressed mailing label with your request.



On loan from the Armed Forces Institute of Pathology Museum is this skull of a man killed near Fort Concho, Texas, in 1868 by an arrow which penetrated the left frontal sinus. During the California gold rush, doctors moved from one mining camp to another in search of patients as well as gold. This traveling drug store made the rounds in a similar manner selling medicines to both doctors and laymen who diagnosed their own illnesses and dosed themselves with self-prescribed medications.

3 New Members Named To Advisory Eye Council

Three new members have been appointed to the National Advisory Eye Council: Drs. Kenneth T. Brown, Thomas D. Duane, and Edward W. D. Norton.

Dr. Brown, a leading authority on retinal physiology, is professor of physiology at the San Francisco Medical Center of the University of California.

He has published extensively on the neurophysiology, especially the electrophysiological function, of the retina. He and a colleague at the University of California, Dale G. Flaming, recently invented a system for producing extremely fine glass pipettes for use as microelectrodes in studying the electrophysiology of single cells.

Dr. Duane, ophthalmologist-in-chief at the Wills Eye Hospital in Philadelphia, is also professor and chairman of the Department of Ophthalmology at Jefferson Medical College, a position he has held since 1962.

His research specialties are retinal and corneal physiology, but Dr. Duane is also known for his broad interest in the conduct and support of eye research and its impact on clinical practice.

In the early 1960's, he conducted a landmark survey of ophthalmic research in the United States sponsored by Research to Prevent Blindness, Inc., and reported on its results in the publication *Ophthalmic Research: U.S.A.* (1965).

Dr. Norton has served since 1959 as professor and chairman of the Department of Ophthalmology of the University of Miami School of Medicine.

He is also Medical Director of the Anne Bates Leach Eye Hospital which opened in 1976.

A leading authority on disorders of the retina, Dr. Norton has been honored by many ophthalmologic societies throughout this country and abroad. Dr. Norton has served on both NEI's Vision Research Training Committee and the NIH Visual Sciences Study Section.

New MEDLINE Searches Include Exercise Therapy, Kidney Dialysis, Laetrile

Recent searches of the MEDLINE data base for NLM's Literature Search series have produced bibliographies on five subjects of current interest. These searches are available without charge. A complete list of titles appears in each issue of *Index Medicus* and *Abridged Index Medicus*. When requesting Literature Searches, please include title and number, enclose a self-addressed gummed label, and mail to:

Literature Search Program, MEDLARS Management Section, National Library of Medicine, 8600

Special Programs of B/I/D's, Task Force Celebrate NIH Secretaries Week in April

April 23-29 marked the third annual observance of Secretaries Week at NIH. The NIH Secretaries Task Force held an NIH-wide program on April 25 featuring Susan Runner Christen, who presented a personality questionnaire on attitude patterns toward people and work.

Ms. Christen is a professional adult educator with Montgomery College in Rockville as well as Women's Workshop Director of Runner Associates, a family firm of personnel consultants.

Several B/I/D's paid tribute to the NIH secretary by holding educational programs and special luncheons. The NHLBI Secretarial/Clerical Committee sponsored a seminar on Coping Techniques given by Rachel Mandelbaum, counselor for the Public Health Employee Assistance Program.

An assertiveness training workshop presented by Betty Kamerow and Madeline Oelbaum of New Era Workshops, as well as a luncheon, were two special NIDR activities.

DRS had an excellent turn out for their seminar on Interpersonal Relations, featuring Ms. Frankie Swenholt, followed by a catered luncheon.

NIA transported secretaries and

other employees by bus to their Gerontology Research Center in Baltimore for a tour of the facility. They heard presentations on the history of the Institute and on the new Factor Evaluation System and enjoyed a buffet lunch.

Thirty-five of FIC's total of 50 employees attended a luncheon/fashion show in honor of Secretaries Week.

NIAMDD held a workshop on Cycle of Self Development presented by William J. Mulvehill, managing director of Leadership Training of the Dale Carnegie Institute, followed by a special lunch.

On May 8 NICHD held a program in recognition of Secretaries Week. After a brown bag lunch, a mock audit of a secretarial position was conducted along with a demonstration of how the Factor Evaluation System is used to determine grade.

The National Secretaries Association (International) sponsors Secretaries Week, which has been observed for the past 27 years. The purpose of Secretaries Week is twofold: to remind secretaries of their responsibilities to their profession and to bring recognition to secretaries for their vital role in business, industry, education, government, and the professions.

Mothers Are Alerted To DES Exposure Risk And Need To Seek Data

Are you or your children at risk from DES exposure?

It is estimated that 2 million children born since 1940 were exposed *in utero* to the nonsteroidal synthetic estrogen DES (Diethylstilbesterol) or other DES-type drugs given to their mothers to prevent miscarriage.

These drugs have since been shown to be ineffective for this purpose, but DES exposure has been associated with an increased incidence of adenocarcinoma, vaginal adenosis, and cervical abnormalities in the daughters, and suggested to raise the risk of testicular, epididymal, and semen abnormalities in the sons.

The possibility of increased breast cancer in the mothers is also being considered.

Task Force Reviews Issues

These are among the DES-related problems addressed by the recently convened DHEW-DES TASK FORCE charged to review the broad public health issue associated with both the carcinogenic and noncarcinogenic effects of DES and to make recommendations to Secretary Califano.

Although many of the potential long term risks such as cancer and decreased fertility cannot be assessed fully at this time, it is important to alert as many exposed people as possible.

Action Groups Organized

Action groups have been organized by patients and their families in several cities, and recently in the Washington metropolitan area, to communicate and promote further study of DES-associated problems.

If born since 1940, or if you or your spouse were pregnant during these years and took any medication, you may belong to a DES-affected family. Contact the doctor or pharmacist or hospital that could have the information and ask—it is your right to know.

Meet With Local Contacts

If you have any problems, need more information, or are interested in helping others, please contact DES-Washington at 5426-27th Street, N.W., Washington, D.C. 20015, or call 966-1766.

The next monthly meeting will be held Thursday, May 25, at 7:30 p.m., at the Davis Library, 6400 Democracy Blvd., Bethesda. Dr. William Feller of Georgetown University will speak about breast cancer.

The true genius is a mind of large general powers, accidentally determined to some particular direction.—Samuel Johnson



Activities during Secretaries Week included (clockwise from top left): keynote speaker Ms. Christen introduced by Sally Linn of the NIH Task Force; a participant filling out the job satisfaction questionnaire; Ms. Swenholt addressing the DRS seminar; and small group discussions during the DRS program.

Rockville Pike, Bethesda, Md. 20014.

LS 78-1: *Patient package inserts*. January 1975 through December 1977. (38 citations)

LS 78-2: *Laetrile*. January 1966 through March 1978. (72 citations)

LS 78-3: *Exercise therapy and physical fitness in the rehabilitation of patients with cardiovascular*

disease. January 1975 through December 1977. (284 citations)

LS 78-4: *Psychological and socioeconomic aspects of kidney dialysis*. January 1975 through December 1977. (230 citations)

LS 78-5: *Transcutaneous electrical nervous stimulation for control of pain*. January 1972 through March 1978. (88 citations)

PHS Meritorious Service Medals



Dr. Bell



Dr. Chase



Ms. Duncan



Dr. McFarlin



Dr. Metzger



Dr. Nebert



Dr. Oppenheim



Dr. Terry



Dr. Wolff

PHS Superior Service Awards



Mr. Barbeito



Dr. Chen



Dr. Galasso



Dr. Hartley



Dr. Kirschstein



Dr. Shelton

PHS Special Recognition Awards



Ms. Bratic



Dr. Ellenberg



Mr. Pike



Dr. Scolnick

1978 PHS AWARDS

(Continued from Page 1)

Meritorious Service Medals

NIH'ers who will receive the Meritorious Service Medal are:

DR. J. FREDERICK BELL, NIAID—"For internationally recognized research on the epidemiology, pathogenesis, and immunology of rabies and for contributions towards the control of rabies in animals throughout the world."

DR. THOMAS N. CHASE, NINCDS—"For outstanding administrative and scientific leadership to the Intramural Research Program and to the neuroscience community."

ALICE E. DUNCAN, CC—"For providing outstanding leadership to the Nursing Department, Clinical Center, National Institutes of Health, in the administration of a complex nursing program." (Ms. Duncan retired on May 1.)

DR. DALE E. McFARLIN, NINCDS—"For significant contributions and administrative leadership in the areas of clinical and laboratory research on multiple sclerosis and related neurological diseases."

DR. HENRY METZGER, NIA-MDD—"For immunochemical studies which first proved the pentameric structure of Immunoglobulin M and, more recently, have pro-

vided seminal information on the relationship of Immunoglobulin E to histamine release by cells."

DR. DANIEL W. NEBERT, NICHD—"For contributions of major importance to contemporary pharmacology and cancer biology in the areas of biochemical genetics and the regulatory process of drug metabolism."

DR. JOOST J. OPPENHEIM, NIDR—"For fundamental contributions to the understanding of cell-mediated immunity in human diseases which have helped to establish a central role for cellular immunity in the pathogenesis of periodontal disease."

DR. WILLIAM D. TERRY, NCI—"For superb leadership in developing and directing a coordinated national program for the study of the immunologic aspects of cancer."

DR. JAN WOLFF, NIA-MDD—"For outstanding research contributions on the thyroid gland, including those relating to the mechanisms of iodine homeostasis, iodide transport, and thyroid hormone secretion."

Superior Service Awards

The PHS Superior Service Award will be presented to:

MANUEL S. BARBEITO, NCI—"For sustained superior performance and for technical contribu-

tions that have provided the capability to conduct research with hazardous microorganisms at the National Institutes of Health."

DR. PHILIP S. CHEN, JR., OD—"For skillful assistance in the guidance of intramural affairs at the National Institutes of Health."

DR. GEORGE J. GALASSO, NIAID—"For administrative and scientific skills in guiding the Antiviral and other programs of the National Institute of Allergy and Infectious Diseases."

DR. JANET W. HARTLEY, NIAID—"For many major contributions to the study of the natural biology and genetic transmission of mouse leukemia viruses."

DR. RUTH L. KIRSCHSTEIN, NIGMS—"For outstanding leadership as Director of the National Institute of General Medical Sciences."

DR. EMMA SHELTON, NCI—"For fundamental contributions to an understanding of biological organization at both the cellular and molecular levels."

Special Recognition Awards

The four NIH'ers who will receive the PHS Special Recognition Award are:

ELAINE B. BRATIC, NCI—"For meritorious work in developing a system to make cancer information accessible to all Ameri-

cans who are at risk to cancer or who are cancer patients."

DR. JONAS H. ELLENBERG, NINCDS—"For superior efforts in applying sound theoretical statistical principles to practical research problems, particularly on the prognosis of children with febrile seizures."

JAMES M. PIKE, NHLBI—"For outstanding contributions to improvements in the grants operation functions of the National Heart, Lung, and Blood Institute."

DR. EDWARD M. SCOLNICK, NCI—"For contributions towards a basic understanding of genetic information of mammalian RNA tumor viruses and the mechanisms whereby these agents transform cells to the malignant state."

Following the ceremony, a reception will be held in Room 800 of the Hubert H. Humphrey Bldg.

Give Blood, Have a Ball!

Spring is in the air, and so are some strange looking yellow balls. Where are they coming from?

If you go to the NIH Blood Bank during the month of May and are a volunteer donor of one unit (500 cc) of blood, you will be given one of these Nerf balls to squeeze during the donation process. Then it's yours to keep.

Call 496-1048 for an appointment. Don't miss out on a chance for a squeeze, and help a patient at NIH bounce back.

NCI Shows Peritoneal Dialysis Effective Chemotherapy Method in Ovarian Cancer

National Cancer Institute researchers have combined knowledge gleaned from two fields—nephrology and pharmacology—to devise a new method for treating patients with ovarian cancer.

At the 14th Annual Meeting of the American Society of Clinical Oncology in April, Dr. Charles E. Myers discussed the use of peritoneal dialysis to administer high concentrations of anticancer drug into the abdominal cavity with little toxicity to the patient.

Ovarian cancer is well-suited to this local route of drug administration because the disease rarely spreads outside the abdominal cavity, according to Dr. Myers.

Methotrexate Chosen

Methotrexate, a drug active against ovarian cancer, was chosen to begin exploration of the technique because its pharmacology is well understood.

In addition, an antidote—citrovorum factor—is available to counteract toxic effects of the drug when it is administered in high doses.

Combination chemotherapy administered by injection or pill has been successful in inducing partial remission in 80 percent of ovarian cancer patients treated at NCI.

However, upon exploration of the abdominal cavity, patients frequently are found to have small cancer masses. Four of these patients were chosen to participate in the trial of peritoneal dialysis of high-dose methotrexate.

The patients were fitted with a permanent indwelling Tenckoff catheter, often used for dialysis in renal failure patients. Approximately two liters of methotrexate solution was delivered into the patient's peritoneal cavity through the catheter.

After drug was administered—a process which takes about 10 minutes—the patients were able to assume fairly normal activities, although they remained hospitalized.

Therapy Monitored

Drug levels were maintained at therapeutic concentrations for two days by draining the peritoneal fluid and replacing a fresh drug solution every 6 hours. The process was repeated at weekly intervals for 5 weeks.

Examination of the patients' abdomen under the CAT scanner showed that the two liter volume allowed exposure of the entire peritoneal surface to the drug.

This is particularly important for ovarian cancer patients who often have small cancer masses on the underside of the diaphragm, Dr. Myers says.

Blood concentrations of drug were measured frequently to prevent toxic effects of methotrexate to white blood cells and platelets.

Monitoring of drug levels in the

blood is critical when high dose methotrexate is given intravenously in order to determine the amount of citrovorum factor necessary to prevent the patient from having toxic side-effects.

Although the drug crossed into the bloodstream, the concentrations were found to be 50 to 100 times less than those in the peritoneal fluid, Dr. Myers reported. Citrovorum factor was given at 40 hours to protect patients from any residual toxic effects.

The most severe side-effect observed with the "belly bath" was peritonitis (inflammation of the lining of the abdomen), which occurred in all 4 patients, but soon cleared after drug was stopped.

One patient had an infection associated with the peritonitis, which was treated successfully with antibiotics. Nausea, vomiting, and diarrhea affected some patients, but were mild.

The physicians noted little effect of the drug on either white blood cell or platelet counts.

The plan for the "belly bath" was designed by computer simulation based on pharmacology data gathered from the use of methotrexate in man and by animal studies.

These analyses suggested that peritoneal dialysis of drug would be most successful in patients with small residual cancer, Dr. Myers said.

The analyses also indicated that a large volume of drug is needed to ensure that the entire peritoneal

NIH Library Offers A New Bibliographic Data Base Service

The NIH Library can now provide NIH scientists with bibliographies from a number of data bases not previously available here.

Through the Federal Library Committee, the NIH Library is participating in a contract with Bibliographic Retrieval Services, Inc., of Scotia, N.Y., to provide on-line computer searching of the following bibliographic data bases for NIH researchers:

BIOSIS Previews (*Biological Abstracts*); CA Condensates (*Chemical Abstracts*); ERIC (Educational Resources Information Center); NTIS (National Technical Information Service); *Pollution Abstracts*; and *Psychological Abstracts*.

Further information and bibliographies from these files may be requested by employees with NIH Library cards.

The Reference and Bibliographic Services Section in Bldg. 10, Room 1L-19, is open between 8:30 a.m. and 4:45 p.m.

surface is exposed.

Finally, the size of the drug molecule has to be large enough so that it enters the bloodstream slowly from the peritoneum. This ensures that high doses of the drug can be maintained in the abdominal cavity for a prolonged period of time without producing toxic side-effects elsewhere in the body.

The technique of peritoneal dialysis, if effective, would be a convenient way to treat ovarian cancer patients with residual disease, Dr. Myers says. The current study is too preliminary to assess the therapeutic value of the technique.

Cardiovascular Disease: US-Italian Agreement Discussed on Prevention



Professor Paoletti and Dr. Levy discussed U.S.-Italian initiatives for the prevention of heart and vascular diseases.

Professor Rudolpho Paoletti, Director of the Pharmacological Institute, University of Milan, recently met with NHLBI Director Robert I. Levy and members of his staff to discuss joint U.S.-Italian initiatives concerned with the prevention of heart and vascular diseases.

The discussions were pursuant to a Memorandum of Understanding for cooperation between the two countries in health and medicine. The Memorandum was signed last November in Rome by HEW Secretary Joseph A. Califano, Jr., and the Italian Minister of Health, Luciano Dalfalco.

Discussions Varied

The discussions ranged over numerous cardiovascular-disease topics of mutual interest, but emphasized current efforts to reduce the threat of premature cardiovascular disease through interventions against modifiable risk factors, particularly elevated blood lipids, hypertension, and cigarette smoking.

It was agreed that, during the coming year, there should be a free exchange of scientific and clinical data from pertinent U.S. and Italian studies, including translation of key documents for dissemination to the research and medical communities of the two countries.

Another Meeting Planned

It was further agreed that a joint U.S.-Italian workshop on the measurement and control of cardiovascular risk factors should be held in Italy later this year or next.

Joining Dr. Levy and Professor Paoletti in the discussions were NHLBI staff members Dr. Ruth J. Hegyeli, assistant director of International Programs; Dr. Mary Jane Jesse, director of the Division of Heart and Vascular Diseases; and Graham Ward, coordinator of the High Blood Pressure Education Program.



Two Division of Research Grants executive secretaries, Drs. Clara E. Hamilton and Rob S. McCutcheon, will retire this month. Dr. Hamilton, an alumna of the University of Georgia, received her Ph.D. degree from the University of Illinois. She taught zoology at the University of Illinois and the University of Georgia before her appointment to the Physiology Study Section here in 1956. Dr. McCutcheon is an alumnus of Idaho State University. He received his doctorate from the University of Washington at Seattle. He was a professor of pharmacology at Oregon State University for 16 years before he came to NIH in 1964 to join the staff of the Special Research Projects Branch at NHLBI. He was named executive secretary of the Toxicology Study Section in 1965.

DR. CHANOCK

(Continued from Page 1)

binant viruses of specific genotype can then be prepared for each new antigenic variant that poses a threat of epidemic or pandemic disease.

Born in Chicago, Dr. Chanock received his B.S. degree from the University of Chicago and his M.D. degree from that University's School of Medicine. Early in his career, he was a Fellow of the National Research Council and National Foundation at the Children's Hospital, Cincinnati, under the direction of Dr. Sabin.

Joined NIAID in 1957

He was then named assistant professor of research pediatrics, University of Cincinnati College of Medicine, and later assistant professor of epidemiology at Johns Hopkins University School of Hygiene and Public Health in Baltimore.

He joined NIAID in 1957 as USPHS Surgeon with the Laboratory of Infectious Diseases, becoming chief of the Laboratory in 1968. He is also professor of child health and development at George Washington University School of Medicine in D.C.

Winner of numerous awards, Dr. Chanock was presented the E. Mead Johnson award for research in pediatrics in 1964. The following year he was the recipient of the USPHS Meritorious Service Medal.

He was given the Squibb Award in 1969 for general excellence in the field of infectious diseases.

Awards Cited

In 1971, he was awarded the USPHS Distinguished Service Medal, and in 1972 received the prestigious Gorgas Medal for his leadership in efforts to identify new respiratory viral pathogens, establish their relative importance, and develop effective methods of prevention of a number of important diseases.

He was elected to the National Academy of Sciences in 1973.

Dr. Chanock was elected to the American Pediatric Society as well as the Association of Physicians in 1973. The recipient of Modern Medicine's Distinguished Achievement Award in 1976, in May 1977 he was invited to be Rubbo Orator at the Annual General Meeting of the Australian Society for Microbiology.

In November 1977 Dr. Chanock was presented with an honorary degree of Doctor of Science, University of Chicago, at the 50th Anniversary Convocation of the University of Chicago Medical School.

Dr. Rolla E. Dyer—for whom the Lecture was established in 1950—began his career with the PHS as an epidemiologist. He joined NIH in 1921, becoming Chief of its Divi-

Guidelines Established for Nat'l Diabetes Information and Education Clearinghouse

Health educators from around the country met recently at NIH to suggest guidelines for the newly created National Diabetes Information and Education Clearinghouse. Established within the Diabetes, Endocrine and Metabolic Diseases Program of the National Institute of Arthritis, Metabolism, and Digestive Diseases, the Clearinghouse is a significant component of the National Diabetes Mellitus Research and Education Act of 1974.

Twenty-eight representatives from Federal and state agencies, universities and medical centers, and voluntary health organizations participated in the 1-day open forum to discuss the basic functions of the Clearinghouse and to recommend methods of operation which will enhance its educational mission.

Under the direction of Lois Lipsett, Clearinghouse education specialist, the group was convened to encourage cooperation among the various agencies concerned with diabetes and to avoid needless duplication in the public and professional awareness effort.

The Clearinghouse will be a central reference point for both public and professional educational materials, including lay and scientific literature, films, catalogs, bibliog-

raphies, public documents, and other instructional resources.

Since it will be a source of information rather than an actual repository, key "user groups" or distributors will be utilized to provide the available information to their respective audiences.

Clearinghouse functions will include the identification of available professional and public education materials, their sources, price, date of publication, description, and target audiences.

Recommendations Noted

Other recommendations involve the coordination and technical review of public education materials to avoid misinformation and duplication of effort; tabulation of Federal-, state-, and foundation-supported research projects; and identification of needs in patient education.

In addition, the conferees envision a coordinator-catalyst role for the Clearinghouse to match educational program plans with available sources of funding.

The participants, expressing their concern with the variable quality of health care delivery, recommended that the Clearinghouse solicit a consensus of health care personnel to identify the key elements required for acceptable patient care in diabetes clinics.

Needs Recognized

The health educators also recognize the diverse needs of their various audiences for appropriate instructional materials. Urban and rural practitioners, young children, the poorly educated diabetic, school teachers, police, ethnic groups, and others have unique needs for specialized educational materials.

To assess the function and direction of the Clearinghouse, an advisory board composed of representatives from the various user groups will be established. The Clearinghouse is scheduled to be operational before the end of the year.

Dr. Salans Opens Meeting

In his opening remarks, Dr. Lester B. Salans, NIAMDD associate director for the Diabetes, Endocrine, and Metabolic Diseases Program, noted that this undertaking is one of great importance to the overall diabetes plan. It represents a joint effort between the Federal Government and various public and private agencies toward the achievement of a common goal—increased public and professional understanding of the full scope of the diabetes problem.



An honor few receive was bestowed upon Dennis Shannon (r), Division of Extramural Affairs, NHLBI, from the Xerox Corporation, for outstanding performance as a Xerox key operator. The award was presented to Mr. Shannon by Bill McClure, Xerox technical representative, for excellent day-to-day machine maintenance, willingness to meet, as well as exceed machine care standards, and for his superior understanding of the machine and interaction with Xerox personnel.

DR. O'CONOR

(Continued from Page 1)

tional Agency for Cancer Research.

After his return to NCI, he headed the surgical pathology section in the Laboratory of Pathology until becoming associate director for International Affairs in 1973.

Dr. O'Connor received his baccalaureate and medical degrees from Cornell University. He took his postgraduate training at New York Hospital, the University of Cincinnati Medical College and Cincinnati General Hospital, and at St. Francis Hospital in Hartford, Conn.



Nobel Laureate Dr. Baruch Blumberg (l) and Dr. Joseph E. Rall, director of the NIAMDD Intramural Research Program, admire a plaque which was recently hung in the NIAMDD laboratory where Dr. Blumberg did his work on the Australian antigen for which he won the Nobel prize.

sion of Infectious Diseases, which later became NIAID. He served as NIH Director from 1942 to 1950.

An outstanding administrator, Dr. Dyer was recognized for his development of many of the present-day Institutes of NIH, such as heart, dental, mental health, arthritis and metabolism, and of course, NIAID.

In honor of the late Dr. Dyer, a lecturer is selected each year by the NIH Director—with the assistance of his senior scientific staff—from among scientists who have made important contributions in medical or biological research, particularly in the field of infectious diseases.

Blood Bank Seeks Donors At Federal Bldg. May 23

The NIH Clinical Center Blood Bank and the Montgomery County Chapter of the American Red Cross are sponsoring a joint blood drive at the Federal Bldg., 7550 Wisconsin Ave., Bethesda, in Conference Rooms 6C01, 03, and 05, from 9:30 a.m. to 3:15 p.m., May 23.

This drive is to recruit new blood donors and make it convenient for our regular blood donors in the Federal Bldg. to continue their donations in support of patient care in the CC and the NIH Blood Assurance Program in cooperation with the metropolitan Washington area.

Become a volunteer blood donor at the Federal Building!

Call the Clinical Center Blood Bank at 496-1048 for information or an appointment to donate blood.

Behavioral Medicine: STEP Seminar June 1

In recent years psychosomatic medicine as a scientific discipline and as an approach to medical practice has staged a spectacular comeback. Also, terms such as "holistic health" are increasingly used to emphasize dissatisfaction with the traditional medical model of health and disease.

"Behavioral medicine" is a field linking the behavioral and biomedical sciences. The NIH STEP Committee will present a 1-day seminar on this field on Thursday, June 1, in Wilson Hall, Bldg. 1.

Among the speakers and their subjects are:

- Behavioral Medicine: Background, Development and Current Status, Dr. Stephen M. Weiss, acting chief, Behavioral Medicine Branch, NHLBI;

- Behavioral Mechanisms in Stress (particularly noise), Dr. Jerome E. Singer, chairman and professor of medical psychology, U.S. University of the Health Sciences;

- The Importance of Psychological Factors in Cancer Prognosis, Dr. G. Nicholas Rogentine, senior investigator, Immunology Branch, National Cancer Institute.

The seminar will begin at 9 a.m. and end at approximately 4:30 p.m. Because of space limitations, participation will be limited to 50. Reservations will be accepted. Early reservations are strongly encouraged. Call Arlene Bowles, 496-5358, or Dr. Aaron Ganz, 496-7491.

Answers To Often Asked Savings Bonds Questions; NIH Campaign Continues

During the rest of May, coordinators and canvassers for the 1978 U.S. Savings Bond Campaign will be answering questions concerning savings bonds. For a quick reference for answers to questions you may have:

- Series E Savings Bonds earn 6% interest compounded semi-annually if held to a maturity of 5 years.

- Bonds continue to earn interest for a minimum of 10 years after maturity.

- Interest on Savings Bonds is tax free until they are cashed in (Savings and Loan Associations interest is taxable).

- If the bonds are lost, stolen, or destroyed, they will be replaced without charge and with the original date of issuance.

- Bonds are redeemable after the first 2 months of ownership.

- Bonds provide an automatic savings plan for as little as \$3.75 per pay period by utilizing the payroll deduction plan.

If you have questions, contact your canvasser/coordinator or Steven Groban, NIH Savings Bond Coordinator, 496-2341.

NIEHS Biometry Branch Cited for Its Work



When presenting an award for Sustained Superior Performance to the NIEHS Biometry Branch, Dr. Rall (r) complimented the Branch for a superb performance over the last 18 months in conducting applied research in the areas of biomathematics, epidemiology, and risk assessment while also supplying statistical, mathematical data processing, and computer engineering support for the entire Institute. L to r first row are: Dr. Beth C. Gladen, Lois Thompson, Dr. Daniel B. Tuey, Debbie Wood, Dr. Dina B. Smith, Dr. Pi-yeong Chi, Kathleen L. Dobson, and Dr. Rall. In second row are: Dr. Michael D. Hogan, R. Jeff Sensenig, Dr. Walter J. Rogan, Dr. Joseph K. Haseman, Dr. Hoel, Thomas A. Clemmer, James F. Dix, and Randall R. Istre.

The Biometry Branch of the National Institute of Environmental Health Sciences was recently presented with a cash award for Sustained Superior Performance by NIEHS Director Dr. David P. Rall.

Dr. David G. Hoel is chief of the Biometry Branch and acting scientific director for NIEHS.

Problems of Vital Interest

The superior performance of the Branch was manifested by the group's efforts in spearheading statistical and mathematical research on "low-dose extrapolation," a problem of vital interest to Government agencies charged with formulating environmental regulatory policy and conducting applied research related to issues of immediate public health concern such as chloroform contamination of drinking water supplies and PCB levels in mothers' breast milk.

In addition, the Branch has continued to increase both the quality and the variety of service activities

it offers in support of the NIEHS Intramural Research Program.

It not only kept pace with the expanding demand for statistical consultation services and involvement in collaborative research efforts, but it also initiated a 16-week course in basic statistics offered to all interested Institute personnel.

Furthermore, the computing services provided by the Branch have improved both the efficiency and scope of performance of various scientific and administrative work groups throughout the Institute.

Develop Genealogy Data

These services include the development of a genealogy data management system for Laboratory of Environmental Mutagenesis and the installation of on site mini-computers adapted to specific laboratory needs and the computerization of the warehouse inventory and the budget system.

Dr. John Schneider Talks At NCI Forum May 24

Dr. John H. Schneider, director of NCI's International Cancer Research Data Bank Program, will speak at the Fourth Wednesday Forum on May 24. The meeting will be held from noon to 1 p.m. in Conference Room 6, C Wing, Bldg. 31.

The ICRDB Program, to be discussed by Dr. Schneider, facilitates rapid exchange of information between cancer scientists throughout the U.S. and the world.

By using the ICRDB data bases, scientists can quickly and easily obtain abstracts of published research results and descriptions of ongoing projects in their specific fields.

Also, clinical investigators can obtain summaries of protocols for cancer therapy, by type of cancer or by type of agents used to treat patients.

The ICRDB Program also publishes a monthly series of bulletins, CANCERGRAMS, listing abstracts in 60 major areas of cancer research, and distributes annual listings of project descriptions in 50 research areas.

For NCI scientists, the ICRDB products are valuable tools for keeping up with current research and publications related to their work.

After his presentation, Dr. Schneider will welcome questions about these information services.

GIVE and LET LIVE



NIH Blood Bank, 496-1048

DAS Property Liaison Charles W. Gerry Dies

Charles W. Gerry, an employee of DAS Materiel Management, died at the Frederick Memorial Hospital on April 27. His wife, Gertrude, is also a DAS employee.

He came to NIH from the Dept. of Agriculture in 1967. Prior to joining the Government he was a professional breeder and trainer of Morgan horses both in the New England states and Maryland.

Interest in Horses

He counted many circus notables among his friends. His interest in horses also included horse-drawn carriages and sulky racing.

Mr. Gerry was the property liaison representative for a number of major NIH Institutes and Divisions.

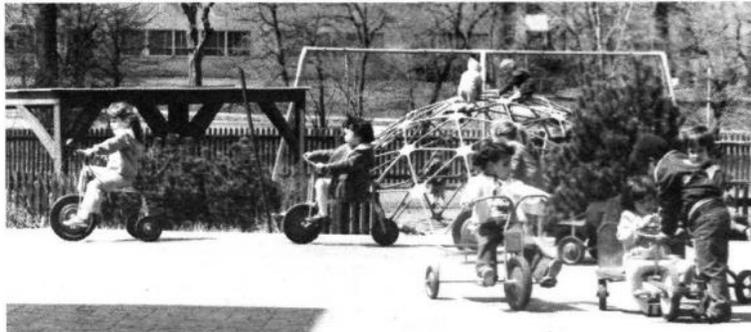
The perfect tool for green-up time





CELEBRATING MAY, 5-year-olds from the Preschool Developmental Program presented May baskets to NIH Deputy Director Dr. Thomas E. Malone and NIH Associate Director for Administration Leon M. Schwartz. NCI's Dr. Robert F. Goldberger, president of FAES, was visited by 4-year-olds with May baskets. FAES recently contributed \$4,000 to support the Program. Later in the week,

to celebrate the Japanese boys' festival, the children made traditional carp kites and hung them on a pole outside Bldg. 35, assisted by Marian Green, supervisor of the Program, and Mitsuko Higashida. The children paid rapt attention while Fran McAfee held a pole bearing four carp kites and Momoko Myamura explained their significance, then helped the children make paper helmets.



SPRING IS . . . a sunny day and tricycle races on the plaza outside the Preschool Developmental Program in Bldg. 35.

Preschool Developmental Program Has Vacancies; Call Now for Information

Need child care for your preschool child or kindergartener? Would you like your child(ren) near your work-place so that you can share in their activities in your free time during the day?

Parents of Preschoolers, Inc. operates preschool and afterschool child care programs for children of NIH employees on and near the NIH campus.

The Preschool Developmental Program at NIH has spaces for 3- and 4-year-olds for fall 1978. The Kindergarten Program at nearby Ayrilawn Elementary School also has openings for the 1978-79 school year.

Families who wish to send their children to Ayrilawn, but who do not reside in the Ayrilawn area, may request transfer from their local school to Ayrilawn for child care reasons. Limited scholarship resources are available for families who may not be able to afford the full cost of care.

For further information about the Preschool program, call Marian Green, director, 496-5144.

For information about the Kindergarten and Afterschool Programs at Ayrilawn Elementary School, call Sandra Brooks, 530-5550.

ANNIVERSARY

(Continued from Page 1)

Services (glass blowing, germ free animals).

The Gallaudet College Dance Group will perform and there will be a presentation of two social dramas, "Family Crisis" and "How Was the Trip?" by the Plays for Living Group from New York City.

There will be continuous showings of selected Departmental films and distribution of publications. Visitors may purchase hamburgers, hotdogs, soft drinks, peanuts, and popcorn.

Activities Are Free

The celebration is open to the public, employees of the Department and their families. There is no charge. Buses will bring school children and senior citizens to the celebration.

Peter Bell, Special Assistant to Secretary Califano is in charge of the celebration, assisted by Eileen Shanahan, Assistant Secretary for Public Affairs, Lee Kimche, Director of the Institute of Museum Services, and Richard D. Warden, Assistant Secretary for Legislation. The HEW Public Affairs project officer is Nancy O. Low, assisted by Audrey Shipp. Coordinator for the NIH participation is Huly Bray.

NIH Visiting Scientists Program Participants

4/21—Dr. Kunihiko Tamaki, Japan, Dermatology Branch. Sponsor: Dr. Stephen Katz, NCI, Bg. 10, Rm. 12N250.

4/23—Miss Chiyo Hori, Japan, Laboratory of Biochemistry and Metabolism. Sponsor: Dr. Takami Oka, NIAMDD, Bg. 10, Rm. 9B17.

4/23—Dr. Koji Kimata, Japan, Laboratory of Developmental Biology and Anomalies. Sponsor: Dr. George Martin, NIDR, Bg. 30, Rm. 416.

4/23—Dr. Shou-Hua Li, Taiwan, Caries Prevention and Research Branch. Sponsor: Dr. Janet A. Brunelle, NIDR, Westwood Bg., Rm. 534.

4/23—Dr. Mario Rizzetto, Italy, Laboratory of Infectious Diseases. Sponsor: Dr. Robert Purcell, NIAID, Bg. 7, Rm. 202.

4/23—Dr. Kanji Sato, Japan, Clinical Endocrinology Branch. Sponsor: Dr. Jacob Robbins, NIAMDD, Bg. 10, Rm. 8N315.

4/24—Dr. Mitsuru Akashi, Japan, Section on Molecular Chemistry. Sponsor: Dr. Josef Pitha, NIA, Gerontology Research Center, Baltimore, Md.

Visitors to NCI

4/24—Dr. Saraswati Sukumar, India, Laboratory of Immunobiology. Sponsor: Dr. James Hunter, NCI, Bg. 37, Rm. 2B22.

4/27—Dr. Hiroyuki Nakazawa, Japan, Division of Cancer Treatment. Sponsor: Dr. Nicholas Bachur, NCI, Baltimore Cancer Research Center, Baltimore, Md.

4/28—Dr. Kenji Nagao, Japan, Laboratory of RNA Tumor Viruses. Sponsor: Dr. Stuart Aaronson, NCI, Bg. 37, Rm. 2C07.

5/1—Dr. Joseph Merregaiert, The Netherlands, Laboratory of RNA Tumor Viruses. Sponsor: Dr. Stuart Aaronson, NCI, Bg. 37, Rm. 1A07.

5/1—Dr. Aleksander Perski, Sweden, Laboratory of Behavioral

Alton Blakeslee Speaks At Heart Ass'n Meeting

Alton L. Blakeslee, distinguished science writer and Associated Press editor, will speak on Hearts—A Success Story at the American Heart Association Montgomery County Chapter's 1978 annual dinner meeting on Wednesday, June 21, at the Bethesda Holiday Inn.

Mr. Blakeslee is the recipient of numerous honors and awards for his science writing. The American Heart Association recently presented him with the first Distinguished Journalism Award at its Fifth Science Writing Forum at Newport Beach, Calif.

Marjorie C. Zukel, associate director of NIAMDD's Nutrition Program, is 1977-78 president of the AHA Montgomery County Chapter.

Call the local Heart Association, 657-8878, to make reservations for the annual meeting and dinner.

Sciences. Sponsor: Dr. Bernard Engel, NIA, Gerontology Research Center, Baltimore, Md.

5/1—Dr. Eva Rastl, Austria, Laboratory of Biochemistry. Sponsor: Dr. Robert Goldberger, NCI, Bg. 37, Rm. 4E28.

5/1—Dr. Krishnamoorthy Sankaran, India, Hypertension-Endocrine Branch. Sponsor: Dr. Walter Lovenberg, NHLBI, Bg. 10, Rm. 7N238.

5/1—Dr. Fumio Shimizu, Japan, Laboratory of Oral Medicine. Sponsor: Dr. John J. Hooks, NIDR, Bg. 10, Rm. 2B16.

5/1—Dr. Caroline Tahourdin, United Kingdom, Carcinogenesis. Sponsor: Dr. Andrew Peacock, NCI, Bg. 37, Rm. 3D20.

5/1—Dr. Anil K. Tyagi, India, Laboratory of Toxicology. Sponsor: Dr. David Cooney, NCI, Bg. 37, Rm. 5B22.

5/1—Dr. Walter Wahli, Switzerland, Laboratory of Biochemistry. Sponsor: Dr. Robert Goldberger, NCI, Bg. 37, Rm. 4E28.

NY Academy of Sciences Holds Week-Long Conf. On Environmental Health

The New York Academy of Sciences is sponsoring a Science Week, June 23-June 30. The focus of the week's activities will be The Scientific Basis for the Public Control of Environmental Health Hazards.

Dr. John A. Moore of NIEHS is among the organizers of the three major scientific conferences: Health Hazards of Asbestos Exposure, Health Effects of Halogenated Aromatic Hydrocarbons, and Public Control of Environmental Health Hazards.

NCI Director Dr. Arthur C. Upton and NIEHS Director Dr. David P. Rall are among the approximately 20 NIH participants.

For further information, contact The Conference Director, The New York Academy of Sciences, 2 East 63rd St., New York, N.Y. 10021. Register by June 5.

Graphics and Publication: Info. Seminar on May 24

Graphics and Publications will be discussed at the NIH Information Training Committee seminar on May 24 at 1:30 p.m. in Conference Room 4, Bldg. 31.

Representatives from the NIH Medical Arts Department and a Washington, D.C. graphics design firm will present suggestions to improve publications while minimizing production costs.

All interested NIH staff who utilize the services of Medical Arts are encouraged to attend.



Dr. George J. Galasso, chief, Development and Applications Branch, NIAID, was among the first of the NIH staffers who volunteered to participate in the Russian Influenza Vaccine trials which began on April 13. The results of this study will help assure that an effective vaccine will be available to protect high risk members of the public from Russian Influenza virus which is expected to cause epidemics in the U.S. during 1978-1979. Vaccination will be the major means for preventing infections.

Barriers, Aids and Employee Placement: Handicapped Awareness Week Emphasis

By joint resolution of Congress, the third week in May has been declared National Architectural Barrier Awareness Week, coinciding with National Handicapped Awareness Week designated by the Easter Seals Society.

The Congressional resolution is intended to focus attention on compliance with the 1973 Rehabilitation Services Act and Architectural Barriers Act of 1968, as well as to aspects of the 1976 Tax Reform Act which apply to the handicapped.

In May 1977, HEW Secretary Joseph A. Califano, Jr., signed new regulations concerning discrimination on the basis of handicap.

NIH has formed a task force to review the implications of the regulations for NIH programs, to survey physical barriers in NIH-occupied space, and to consider the work experience of present NIH

employees or those seeking employees at NIH.

All NIH employees will soon receive a questionnaire as part of a survey of physical obstacles.

J. Wallace Robinson (496-1874) is currently serving as the NIH coordinator for the selective placement officers in the B/I/D's:

OD-FIC-OA	—David Knudson 496-6521
CC	—Adrienne Hatchett 496-1905
DCRT	—Stella Graves 496-6951
DRG	—Joyce May 496-7577
DRR	—Pat Wiggins 496-1524
NICHD	—Joyce Pilcher 496-3365
NEI	—Karen Wright 496-4274
DRS	—Mark Raisher 496-5621
NCI	—Susan Corey 496-1771
NHLBI	—L. Gilchrist 496-6477
NIA	—Mike Rosenthal 496-5347
NIAID	—Edna Miller 496-4634
NIAMDD	—Liz Martini 496-4231
NIDR	—Dot Dorsey 496-6971
NINCDS	—Bobbie White 496-6334
NLM	—Arthur Robinson 496-1046
NIHMH	—Darlene Jacobs 496-5337

HEW recently formed a Handi-

Eligible HEW Employees May Retire Under CSC Provisions for Early-Out

The Civil Service Commission has approved HEW's request to use the early optional retirement provisions of Public Law 93-39 to open up vacancies for employees who may be adversely affected by reorganization, redistribution of resources, or overgrading. The Commission issued this authority with the explicit understanding that all retirements under it are to be truly voluntary.

The authority given to HEW permits employees to retire on an immediate annuity sooner than they would be eligible under the normal optional retirement provisions. The authority is limited to a 120 day period ending Aug. 23, 1978, and applies only to employees at GS-12 and above or equivalent levels outside the General Schedule (at NIH this would include employees appointed under Section 208(g) of the Public Health Service Act but not any employees covered by the Federal Wage System).

To be eligible for "early out" retirement, employees must meet either of the following minimum requirements:

—Attainment of age 50 and completion of 20 years of creditable service, including 5 years of civilian service; or

—Regardless of age, completion of 25 years of creditable service, including 5 years of civilian service.

In addition, employees must: —Have served under the retirement system for at least 1 year within the 2-year period immediately preceding separation; and —Have been on HEW rolls on Oct. 24, 1977.

Employees who wish to take advantage of early retirement provisions must retire no later than the close of business Aug. 23, 1978, or be in a leave without pay status beginning Aug. 24, 1978, and have filed an application for retirement no later than the close of business Aug. 23, 1978.

Employees who choose the early optional retirement and are under age 55 will have their annuity reduced by one-sixth of 1 percent for each full month (2 percent a year) that the employee is under age 55. Further, this annuity is not increased when the annuitant reaches age 55.

Additional information is available through B/I/D Personnel Offices and the Employee Relations and Recognition Branch, DPM.

capped Employees Committee, which first met Jan. 31 and several times since. Representing the PHS is Philip P. Pepper, Associate Director for Administration, PHS Hospital, Carville, La.



Robert A. Boykins, Bureau of Biologics, FDA, received one of the Secretary's Special Citations for Ten Outstanding Employees of the Year in DHEW ceremonies on April 11. Mr. Boykins was cited for his role in providing essential analytical data for the licensing of bacterial polysaccharide vaccines. Specifically, he developed an instrument capable of rapid and reliable analysis of sugar in biological samples. He has worked with many scientists at NIH to provide analytical data on protein and carbohydrate analyses essential for studies in various areas of research.

Lab Chiefs Are Asked To Name Top Performing Animal Technicians

Lab chiefs and supervisors are being asked to nominate their laboratory animal technicians and supervisors for the Durbin and National Capital Area Branch-American Association for Laboratory Animal Science technician awards to be presented at the annual meeting, Sept. 13-14, at Hunt Valley Inn, Cockeysville, Md.

The two categories for awards are basic animal responsibility and technical performance, including (but not necessarily) supervisory duties. Degrees for the second class are not important. Nominees should be top performers.

A plaque and \$100 honorarium are given each winner. For guidelines and forms, call Adrian Loftis, 496-5480.