Researchers Give Views On Detection, Diagnosis Of Cancer at Meeting

Papers on the detection and diagnosis of cancer were presented early last month at the National Conference on Advances in Cancer Management. The meeting, sponsored jointly by the National Cancer Institute and the American Cancer Society, took place in Denver. In the opening address, Dr. Nathan I. Berlin, former director of NCI's Division of Cancer Biology and Diagnosis, considered the early diagnosis of cancer as the simplest approach to effective treatment. Dr. Berlin now heads the Cancer Center at Northwestern Medical School.

"Two-thirds of cancer patients have metastases at the time they first present themselves to a physician, but these are rarely recognized clinically," he noted. "The goal of diagnostic research programs is to make the diagnosis before metastasis occurs," Dr. Berlin said.

If cancer is not detected until a patient has symptoms of the disease, it is often too late for curative treatment. By then most patients will have developed metastatic disease, he explained.

Other problems in cancer detection are to determine who will be

(See VIEWS ON CANCER, Page 7)

DRG Is Establishing Four New Study Sections for Initial Review

Four new study sections—Experimental Virology, Molecular Cytology, Pathobiological Chemistry, and Immunological Sciences—have been established by the Division of Research Grants. Like those study sections that established the role of risk factors in the Framingham Heart Disease Epidemiology Study, Division of Nutritional Studies, National Heart and Lung Institute, and other HEW officials will attend the ceremony which will last about one hour. Afterwards, a reception for the award recipients, their families, and invited NIH, PHS, and other HEW officials will be held in the patio area of the Clinical Center cafeteria.
Mothers Who Smoke Affect Child Health

Pediatricians are posting on their waiting room walls a new sign they hope will be heed by mothers:

FOR THE HEALTH OF OUR CHILDREN
PLEASE DON'T SMOKE

Children experience specific adverse effects when the mother smokes, according to spokesmen for the National Cancer Program and the American Academy of Pediatrics, distributors of the waiting room signs to 16,000 pediatricians throughout the country.

A recent study has shown that smoking two cigarettes during the final weeks of pregnancy reduces the breathing movements of the fetus which are increasingly used as an index of fetal health.

On the average, infant birthweight is reduced about 6 ounces if the mother smokes during pregnancy. Most studies show no effect on infant mortality, but a few do.

Think of Your Children

Several studies have shown that children whose parents smoke have a higher incidence of bronchitis and pneumonia during their first year than children of non-smokers. Even children have asthma, the condition is aggravated by parents' smoking.

To publicize the potential harm that smoking can inflict on children, the signs are being made available without charge to other child-related organizations through the Office of Cancer Communications, NCI, Bethesda, Md. 20014.

Dr. Ernst Freese, chief, NINCDS Laboratory of Molecular Biology, received the Environmental Mutagen Society's fourth annual award at a meeting in Miami. Dr. Freese, who served as the Society's president in 1973-74, was cited as "an outstanding leader in the understanding of the molecular mechanisms of mutation."

Scanning Electron Microscopy Class Series Offered by G.W.U.

A course on Scanning Electron Microscopy—a series of identical classes which meet 5 days each commencing June 9, 16 and 23—is being offered by the George Washington University Medical Center.

The classes will emphasize specimen preparation, operation of the scanning electron microscope, and introduction to X-ray analysis.

Enrollment is limited to four persons in each class. Tuition is $500.

For information, write Fred Lightfoot, G.W.U., Dept. of Anatomy, Washington, D.C. 20037, or call him at (202) 331-2881 or 6511.

Dr. Kirschstein to Speak At F.E.W. Awards Dinner

Dr. Ruth L. Kirschstein, Director of the National Institute of General Medical Sciences, will be the guest speaker at the awards dinner for Federally Employed Women to be held Wednesday, June 18, at 7 p.m. at the Naval Officers' Club, Bethesda Naval Hospital.

The first woman Director of an NIH Institute, Dr. Kirschstein will discuss the obstacles women face in reaching top management and policy-making positions.

The program will also include presentation of Suburban Maryland Chapter F.E.W. awards to individuals or groups who have made major contributions to the promotion of equal job opportunities for women.

Call Gloria Johnson, 443-2653, Room 1236, Parklawn Bldg., for further information or to make reservations at $6 per person.

The new rate structure, which goes into effect July 1, is $15 per connect hour during prime time and $8 during non-prime time.

User costs were defined as being those costs required by the sum of all domestic users to access NLM's computer services.

Carnival Comes to NIH Campus

This coming Saturday, June 7, the Preschool Developmental Center at NIH will sponsor a carnival next to Bldg. 35, facing Old Georgetown Road. Proceeds will be used to purchase equipment for the nursery school.

There will be a garage and plant sale, booths to test skills, outdoor games, refreshments, and an afternoon softball game. Admission is free.

U.S. Savings Bond Campaign Extended; Drawing June 13

The 1975 U.S. Savings Bond Campaign has been extended until June 13 to help NIH reach its goal of a 40 percent level of participation.

Each of the 18 NIH Institutes and Divisions has increased its percentage of participation since the start of the campaign, but canvassers are hard at work to raise that level.

The prize drawing has been rescheduled for Friday, June 13, at 2 p.m. in Bldg. 31, Conference Room 8A-30.

New bond buyers through the payroll deduction system, or those who are increasing their bond allotments, are eligible for the prize drawing and may obtain tickets from their canvassers.

Also, additional charges can be made for management control, and any charges that exceed costs will be returned to the U.S. Treasury.
Suggestion Improves Photos of Tissue; Employee Wins Cash Award

L. Kenzie Edwards, a photographer for NCI's Division of Cancer Biology and Diagnosis, recently received a cash award of $200 for his employee suggestion.

Mr. Edwards developed a device that yields undistorted pictures, taken underwater, of flat-cut surfaces of human lungs removed during surgery for cancer or other lung diseases.

The resulting photographs are used to illustrate research on lung diseases, as patient follow-up, and as a teaching tool in clinical care projects, and in pathology conference presentations.

The NCI photographer designed a series of heavy metal templates of various sizes to accommodate the different lobes of the lung. Plastic foam can be fastened to the plates. The flat-cut surfaces of lung are then pinned to the foam.

Process Explained

In this way the surfaces remain flat, but the templates holding the specimens underwater are not visible in the picture, which is free of distortions and easy to read.

Conventional techniques require several days to obtain a few usable photos. With Mr. Edwards's suggestion, the time required has been greatly reduced and all of the pictures are of high quality.

Mr. Edwards has been with NHI since 1952 and joined NCI in 1966.

3d World Conference On Smoking, Health Is Meeting in N.Y.C.

A third World Conference on Smoking and Health, which starts today (June 3) and will continue through June 6, is being held in New York City.

The conference is sponsored by the American Cancer Society and the National Cancer Institute in cooperation with a number of health organizations.

Cooper Welcomes Conference

The participants were welcomed by Dr. Theodore Cooper, new Assistant Secretary for Health, HEW, and after the opening plenary session, they broke into five separate sections which will meet together on the last day.

These five sections, which are running concurrently and independently of each other, are: Health Consequences of Smoking; Modifying the Risk; Education on Smoking; Cessation Programs, and Governmental and Social Action.

Members of the Planning Committee for the conference included: NIH Director-Designate Dr. Donald S. Fredrickson; two former Surgeons General, Drs. Luther Terry and Jesse L. Steinfield; and Dr. Gio B. Gori, NCI.

Six Doctors in Academic Field Join NIAID Council

Six doctors in the academic field have been appointed to the National Advisory AIDS Council. The members are: Dr. Marilyn L. Bach, University of Wisconsin; Dr. Mary Jo Carter, Medical College of Georgia; Dr. Roger Estep, Howard University; Dr. Bernard Friedman, Brown University; Dr. Margaret L. Hendrick, University of Nebraska, and Dr. J. Vernon Knight, Baylor University.

Dr. Bach, an assistant professor of pediatrics and a member of the Immunobiology Research Center at Wisconsin's Medical School, has been actively involved in the genetic aspects of immunology and has a special knowledge of host reactions in organ transplantation.

Dr. Carter's research interests include viral diseases, such as encephalitis and yellow fever, and the action of antibiotics in bacterial infections.

Dr. Estep's research interests include viral diseases, such as encephalitis and yellow fever, and the action of antibiotics in bacterial infections. She is a professor of infectious diseases, department of medicine, in the medical college.

As vice president for development and university relations at Howard, Dr. Estep has developed university policies and research programs. He has also served as a consultant to Federal and professional veterinary projects.

Dr. Estep joined Howard University in 1962 as a research veterinarian and instructor in physiology in the College of Medicine.

In 1971 he became executive assistant to the president. Later in that same year, he was named Director of DRS. He returned to Howard in 1972.

A specialist in the economics of health care, including national health insurance, Dr. Friedman is assistant professor of economics at Brown University.

He has served as a member of the policy committee of the Governor's Task Force on Health Insurance in Rhode Island and as a consultant to the Massachusetts Department of Public Health.

Dr. Friedman joined the Brown faculty in 1972.

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An expert in the field of immunology, Dr. Hendrick is assistant professor of biochemistry at the University of Nebraska College of Medicine. Her basic research has been on factors determining immune reactions, particularly in aging and cancer.

She has worked as a postdoctoral fellow at the Oak Ridge National Laboratory and a staff fellow at NICHD's Gerontology Research Center before joining the Nebraska staff in 1973.

Dr. Knight is chairman of the department of microbiology and immunology at Baylor. He has been involved in clinical research on a variety of infectious diseases.

After teaching in the medical schools of Cornell and Vanderbilt, he became NIAID clinical director in 1959. In 1960 he left NIAID to accept his current position.

Dr. Knight has also held numerous advisory positions including 4 years on the Board of Scientific Counselors of what is now FDA's Bureau of Biologics.

Computer Manual Shows Graphic Plot Capabilities

Extended graphic capabilities are now available to the user of the new Integrated Plotting Package (IPP).

These are described in a new manual which replaces the preliminary one issued by the Division of Computer Research and Technology last year.

IPP features the ability to generate plots which may be processed interchangeably by the following devices: the Calcomp Plotter, the Stromberg Datagraphix 4460 (microfilm or microfiche).


Questions concerning the software and documentation should be directed to Douglas Ashbrook in the Laboratory of Applied Studies, Ext. 66561.
HONOR AWARDS CEREMONY TO BE HELD JUNE 9 IN MASUR AUDITORIUM

(Continued from Page 1)

DR. RONALD DUBNER, chief, Neurobiology and Anesthesiology Branch, National Institute of Dental Research, "... outstanding leadership in the field of pain and pain control research ... contributions in the neuropsychological mechanisms of pain in the oral-facial region."

DR. HERSCHEL S. HOROWITZ, chief, Community Programs Section, National Caries Program, NIH, "... leadership in the development, coordination, and evaluation of the research conducted in the National Institute of Dental Health through ... contributions to the field of fluoridation ranging from community activities and clinical studies to research programs of a nationwide scope."

DR. J. KIFFIN PENRY, acting associate director, Collaborative and Field Research, chief, Applied Neurologic Research Branch, National Institute of Neurological and Communicative Disorders and Stroke, "... dedication, expertise, and leadership in a national program of epilepsy research which won ... world-wide recognition and honor."

Dr. Frank Honored

DR. MICHAEL M. FRANK, head, Clinical Immunology Section, Laboratory of Clinical Investigation, National Institute of Allergy and Infectious Diseases, "... out-standing laboratory and clinical research ... on hereditary angioedema ... role of the complement system in defense against disease."

Superior Service Honor Awards recipients:

JUNE D. ARDIZZONE, personnel officer, NIAMDD, "... exceptional accomplishments in developing and executing an effective personnel program to assist NIAMDD in achieving its program goals."

RAYMOND J. JACKSON, Equal Employment Opportunity Officer, NIH, "... effective and sensitive leadership of the EEO Programs at NIH."

HELEN C. STAFFORD, personnel officer, NICHD, NEI, DRR, "... effective accomplishment in personnel management for support of scientific programs and management systems ... appreciation for personal concerns of individuals."

DR. HAROLD M. SCHOOLMAN, assistant deputy director, National Institute of Nursing, "... personal leadership in the coordination and evaluation of the NLM programs."

DR. W. FRENCH ANDERSON, chief, Molecular Hematology Branch, National Heart and Lung Institute, "... studies on the mechanism and regulation of hemoglobin in ... production of normal red blood cells."

DR. RUTH J. HEGYEL, chief, Program Development and Evaluation Branch, NHLI, "... leadership in coordinating the US-USSR Joint Program in Cardiovascular Diseases ... contributions to the National Heart, Blood Vessel, Lung and Blood Program Plan."

DR. ROBERT I. LEVY, director, Division of Heart and Vascular Disease, NHLI, "... inspired leadership and creative management in the operation of the Division."

DR. VINCENT T. DeVITA, JR., director, Division of Cancer Treatment, National Cancer Institute, "... leadership in ... notable contributions to the advancement of ... understanding of the genetic region which controls the synthesis of immunoglobulins and antibody molecules."

Others Receive Awards

DR. FRANKLIN A. NEVA, chief, Laboratory of Parasitic Diseases, NIAID, "... leadership in reorganizing ... parasitological research programs ... development of clinical diagnostic techniques for trypanosomiasis ... other protozoal infections."

FRED EDERER, head, Section on Clinical Trials and Natural History Studies, National Eye Institute, "... leadership ... guidance in developing biometric ... epidemiological programs ... to elucidate and define ... etiology, incidence ... distribution of eye diseases ... visual disorders."

DR. JAMES R. FOUTS, chief, Pharmacology Branch, National Institute of Environmental Health Sciences, "... achievements as a scientist, teacher, and research program director in pharmacology ... contributions as chief of Branch."

DR. JOHN A. MOORE, chief, Environmental Biology and Chemistry Branch, NIEHS, "... leadership ... development ... direction of ... Branch ... significant personal leadership in the reorganization and development of the extramural programs."

DR. CHARLES A. MILLER, program director, Cellular and Molecular Basis of Disease Program, "... special assistant to the director for manpower, National Institute of General Medical Sciences, "... leadership in the CMBP Program ... as a founder of the MARC Program ... administration of the training programs."

DR. EDWARD W. DOCOCHERY, former chief, Office of Scientific and Health Reports, National Institute of Neurological and Communicative Disorders and Stroke, "... developing ... communication programs which included cooperation with ... health agencies ... effectively disseminating research advances on neurological and sensory disorders."

DR. ELDON L. EAGLES, deputy director, NICEDDS, "... contributions to the stability, continuity ... programmatic effectiveness of ... NINCCDS ... during ... changes in leadership in the past decade."

LEVON O. PARKER, EEO coordinator, NICEDDS, "... accomplishments and contributions to ... development ... implementation of EEO programs at NIH."

DR. O. MALCOLM RAY, acting deputy director, Extramural Programs, NICEDDS, "... development and management of the NIH programs of extramural research and training."

HERBERT A. WALTERS, electronic technician, Laboratory of Biophysics, NICEDDS, "... providing original ... highly important bio-physical instrumentation supportive of the research mission of NIH."

DR. JOHN E. FOLK, chief, Enzyme Chemistry Section, Laboratory of Biochemistry, National Institute of Dental Research, "... outstanding contributions to ... understanding ... mechanism of action of enzymes."

DR. RACHEL H. LARSON, chief, Methods Development Section, NIDR, "... contributions to the dental research program ... especially her significant findings related to ... carries, with particular emphasis on cause and prevention."

DR. PHILIP A. CORFMAN, director, Center for Population Research, National Institute of Child Health and Human Development, "... scientific leadership ... advancement ... achievements in organizing ... directing ... Center for Population Research."

Chosen for Studies

DR. GRIFF TERRY ROSS, assistant chief, Reproduction Research Branch, head, Endocrinology Service, NICHD, "... definitive studies on the life cycle of the human ovum and the human menstrual cycle."

VERNECE D. FERGUSON, chief, Nursing Department, Clinical Center, "... personal leadership ... dedication to the progressive administration ... operation ... Nursing Department, CC."

KATHRYN K. HIMMELSCHACH, chief, Cancer Social Work Section, CC, "... exceptional leadership ... providing comprehensive social services to patients and families ... significant sustained contributions to community health agencies ... genetic repository of rodent strains for biomedical research."

WILLIAM H. SCHUETTE, electronic engineer, BEIB, DRS, "... contributions to biomedical research instrumentation and the development of electronic instrumentation systems."

(Continued on Page 5)
Department of the Navy Superior Civilian Service Award recipient:

JUNE T. CALDWELL, coordinator, Federal Women's Program, NIH; former social science analyst, Bureau of Naval Personnel, Department of the Navy, "... unique and outstanding efforts... achievements in the design, development... implementation... U.S. Navy's Race Relations Education Program during... August 1971 through October 1974."

NIH EEO Achievement Award of the Year:

JAMES B. DAVIS, former Director, Division of Administrative Services, Office of the Director, "... commitment to equal opportunity objectives, ... leadership in contributing to upward mobility... establishing better understanding between employees and managers... dedication to improving conditions for... DAS workforce."

The two NIH employees who received 40-Year Length-of-Service Awards are Bruce P. Phillips, research biologist, Laboratory of Parasitic Diseases, NIAID, and Margaret F. Roberts, head, Contracts Section, Division of Financial Management, OD.
NIH Visiting Scientists Program Participants

5/1—Dr. Iona Linoina, Finland, Pharmacology Branch, Sponsor: Dr. J. R. Fouts, NEIHS, Research Triangle Park, N.C.
5/5—Dr. Masaharu Miyake, Japan, Laboratory of Chemistry, Sponsor: Dr. John Daly, NIAMDD, Bg. 4, Rm. 210.
5/5—Dr. Denis Nadeau, Canada, Pharmacology Branch, Sponsor: Dr. G. E. R. Hook, NEIHS, Research Triangle Park, N.C.
5/12—Dr. Marcello A. Barcinski, Brazil, Laboratory of Clinical Investigations, Sponsor: Dr. Alan Rosenthal, NIAID, Bg. 10, Rm. 11-N224.
5/16—Dr. Milica Spasovska, Yugoslavia, Pulmonary Branch, Sponsor: Dr. Ronald Crystal, NHLI, Bg. 10, Rm. 6D07.
5/19—Dr. Toshio Inouye, Japan, Drug Research and Development, Sponsor: Dr. Abraham Goldin, NCI, Bg. 37, R. 6E20.
5/19—Dr. Aida Shehata, Egypt, Laboratory of Physiology, Sponsor: Dr. Seoras Morrison, NCI, Bg. 10, Rm. B1B3.
5/21—Dr. Guang-Fu Huang, Taiwan, Laboratory of Chemistry, Sponsor: Dr. Paul Torrence, NIAMDD, Bg. 4, Rm. 226.
5/22—Dr. Marcos Rodriguez, Argentina, Unit on Electron Microscopy, Sponsor: Dr. Monique Dubois-Dalcq, NINCDS, Bg. 36, Rm. 5C10.

Job Classification Will Be Topic of F.E.W. Meeting June 26

How Government Jobs Are Classified will be the topic of the June 26 meeting of Federally Employed Women to be held in Conference Room E, Parklawn Bldg., from noon to 1 p.m.

The guest speaker, Esther Lawton, is Deputy Director for Personnel, Treasury Department, as well as President of the American Classification Society.

What we call experience is often a dreadful list of ghastly mistakes.

—J. Chalmers Da Costa

NIH Visiting Scientists Program Participants

Dr. W. Dean Warren has accepted membership on the National Advisory General Medical Sciences Council. Dr. Warren is chairman, department of surgery, School of Medicine, at Emory University. His term will run through September 1978.

Dr. Warren had also served as professor and chairman of the department of surgery at the University of Miami School of Medicine.

He was also dean of that school and vice president for medical affairs. In 1971, he accepted his present position.

Others Appointed

Two other members have also been appointed to the NIGMS Advisory Council. They are Dr. Louis Levin and Helen H. Chang.

Dr. Levin recently retired from Texas Tech University where he was university professor and special consultant in evaluation and planning.

He has held several posts in the National Science Foundation.

He has also been dean of science and associate dean of faculties at Brandeis University.

Did Research in Paris

Ms. Chang is director of the Pasadena Alcoholism Center, Department of Public Health. She has been a research fellow at the Pasteur Institute in Paris.

During her career in the health fields she has served as a health educator in several posts including the Saugus Alcohol Rehabilitation Center in Los Angeles and as senior health educator in Pasadena's Department of Public Health.

3d Meeting Considers Heavy Metals' Effects

The National Institute of Environmental Health Sciences co-sponsored the third of a series of conferences on Heavy Metals in the Environment on May 15-16 at the University of North Carolina.

The conferences evaluated current knowledge concerning the potential toxicity of trace metals so that environmental health problems from increased energy consumption or the use of alternate sources can be anticipated.

Metal Emissions Discussed

The principal topics discussed were the emission of metals, and the toxicity of platinum and palladium in relation to their emission by control devices on 1975 model cars.

Participants included representatives of the U.S. Geological Survey, Oak Ridge National Laboratory, Southwest Research Institute, General Motors, Karolinska Institute, Battelle Institute, the Food and Drug Administration, and the Environmental Protection Agency, as well as a number of universities.

The Environmental Metals Group, composed of scientists in the Research Triangle area concerned with toxic metals as environmental agents, co-sponsored the conference.

Dr. Dembroski Honored As Outstanding Educator

Dr. Theodore M. Dembroski, the National Heart and Lung Institute's first resident scholar, has been selected as one of the Outstanding Educators of America for 1975.

Nominated by Eckerd College, where he has been associate professor and coordinator of psychology discipline since 1972, he will be featured in a national awards volume, Outstanding Educators of America, 1975 edition.

Advices on Behavioral Aspects

In the Office of Prevention, Control, and Education, NHLI, Dr. Dembroski serves as consultant and advisor to the Institute's staff on behavioral aspects of chronic diseases and plans for behavioral research. He is also studying threat effects on the manner in which children control their own behavior.

After receiving his Ph.D. from the University of Houston, Dr. Dembroski became assistant professor of psychology at Eckerd College (formerly Florida Presbyterian College). In addition, he was a research consultant to the Southern Regional Education Board, Philip Florida Foundation, and Brevard County's Center for Environmental Living.
screened, what screening methods will be used, and how frequently they will be used.

When the screening process indicates a patient may have cancer, diagnostic techniques will be applied to determine where the primary site is and what the extent of metastasis is, if any.

The final determination will be, as it always has been, histopathologic—observing stained cells under a microscope.

If a cancer is truly localized in the organ of origin, a cure can be obtained by surgical removal of the organ. If the cancer has metastasized, but only regionally, a cure may be obtained by removing the tumor and, if possible, the cancerous lymph nodes.

When there are distant metastases at the time of diagnosis, very few true cures can be achieved, Dr. Berlin said.

Researchers Present Papers

Other NCI investigators who presented papers were Drs. Sidney J. Cutler, Joseph F. Fraumeni, Jr., Ronald B. Herberman, and Thomas A. Waldmann.

Dr. Cutler, chief of NCI's Biochemistry Branch, spoke on the increasing number of cancers of the breast, body of the uterus, rectum, bladder, and prostate that are being diagnosed when still localized.

He called these findings encouraging because they indicate that improved diagnostic techniques coupled with professional and public education about their availability may improve a patient's chances of survival.

Dr. Cutler said that cancers of the body and cervix (or neck) of the uterus, bladder, and ovary are diagnosed at a localized stage more often in younger than in older patients.

For cancers of the stomach, pancreas, lung, and prostate, however, those between the ages of 25 and 45 are diagnosed with advanced cancers more often than are older patients. To a lesser degree, the same pattern is evident for cancers of the colon, rectum, and breast.

Other researchers taking part in this study were Dr. Max H. Myers and Paullette L. White, NCI Biometry Branch.

Family History Studied

Dr. Fraumeni, associate chief, NCI's Epidemiology Branch, said that scientists at NCI and other institutions have been able to detect early cancers by studying apparently normal members of families that have a high rate of cancer.

In some cancer-prone families, NCI scientists have identified immunologic defects, congenital bone abnormalities, or other childhood disorders that predispose individuals to cancer.

Family histories may reveal consistent evidence of genetic skin disorders, chromosomal abnormalities, defects in structural development, immune defects, enzyme deficiencies, or characteristic blood protein patterns.

Genetic influence in cancer development may be more visible in families in which there is evidence of cancer-related syndromes. Medical examinations of all family members must include young adults and children, Dr. Fraumeni emphasized.

In discussing immunologic tests for cancer, Dr. Herberman, chief, NCI Laboratory of Immunodiagnosis, said the body's immune system may be useful for more than defense against disease.

It may also prove effective in screening populations and high-risk groups for the presence of cancer, monitoring the course of treatment for the disease, and providing a means for early detection of metastatic spread of cancer.

The NCI scientist discussed certain immunologic procedures that may prove useful. Tumors may release characteristic antigens into the bloodstream of the host.

An antigen is a substance that can stimulate an immune response such as formation of antibodies in the host or in animals injected with the substance.

One such antigen, the subject of a great deal of research, is carcinembryonic antigen. A test for CEA is being used in combination with other medical procedures for the diagnosis and management of several forms of cancer.

Dr. Herberman also spoke on antigen research at other institutions receiving NCI support.

Fetal Protein is Significant

Dr. Waldmann, chief, NCI Metabolism Branch, spoke about a substance—alpha-fetoprotein—that is normally present in the blood of fetuses.

Alpha-fetoprotein may reappear in adults with certain types of cancer and can be used to detect the presence of those cancers.

He explained the significance of its presence and of its changes during the course of cancer therapy.

In addition to serving as a means to detect cancer, AFP may also be used to monitor the progress of therapy. Dr. Waldmann specifically cited studies with NCI patients to further elucidate his research.

Tennis Entries Due by June 6; June 11 Tournament Play Begins

The NIH Tennis Club will hold its Spring Tournament—open to all NIH employees and spouses—beginning June 11.

Entries are invited for men's singles, women's singles, men's doubles, women's doubles, and mixed doubles. A minimum of eight players or teams must be entered to hold formal play in any division.

Entry forms, available at the R&W Office, Bldg. 31, Rm. 1A-18, must be returned to that office no later than noon on Friday, June 6.

A check for $2 must accompany each singles or doubles team entry.

[Image of a patient receiving a kiss from a lion during a surprise visit to the Clinical Center, sponsored by the Patient Activities Section.]

Dr. Wesley H. Bradley has joined NINCDS as director of that Institute's new Communicative Disorders Extramural Research Program which was formed in the recent NINCDS reorganization to stress biomedical research in otolaryngology and communicative disorders. Dr. Bradley came to the campus from State University of New York College of Medicine in Syracuse where he was clinical associate professor of otolaryngology.

Latin American Cancer Research Data Available

The Pan American Health Organization and NCI recently agreed to form the Latin American Cancer Research Information Program, making cancer research information from Latin America more readily available worldwide through the National Cancer Program.

United States investigators will gain faster access to Latin American scientists' research and provide cancer research information services to their countries.

LACRIP will initially serve to:

• Identify major Latin American institutions devoted to research in cancer causation, diagnosis, treatment and rehabilitation, and related basic research;

• Plan joint meetings related to data collection and dissemination;

• Collect published abstracts of cancer research literature and descriptions of ongoing cancer research projects in the region;

• Provide this data to the International Cancer Research Data Bank located in NCI's Office of International Affairs.

The ICRDB, directed by Dr. John Schneider, serves as the NCI center for rapid global exchange of cancer information. Its computerized information system, CANCERNET, gives scientists instant access via computer terminals to information on cancer research results and current projects.

PAHO will appoint a coordinating committee for LACRIP to serve as liaison with NCI's Office of International Affairs.

Everyone complains of his memory, none of his judgment.—La Rocheforeau.
Women and Minorities Examine Biomedical Research Roles

As part of the NIH effort to implement its commitment to equal opportunity and its relationship with the minority community, 131 representatives—faculty, students, and scientists—from approximately 70 minority and women's colleges, as well as representatives from 10 national organizations, met here April 22-24.

Storm Whaley, NIH Associate Director for Communications, opened the conference with a summary of the scientific activities of NIH and its components.

The 3-day conference was designed to familiarize participants with the varied research programs and activities, career opportunities, and biomedical research support available under the grants and awards programs. A second goal was making NIH aware of the resources and capabilities of minority and women's schools.

Workshop topics included: NIH research institutes' missions, minority programs at NIH, extramural and collaborative contract programs, and perspectives of women on health science careers.

A report now in preparation contains a number of the conference participants' recommendations which will be submitted to the NIH Director for action. The conferees will be kept informed of the status of the recommendations.

At the close of the conference, Dr. Ronald W. Lamont-Havers, Acting NIH Director, explained that the Institutes are undergoing a period of change.

The next decade will bring new knowledge and challenges, including new methods of health care delivery, he stated. NIH welcomes inquiries concerning its scientific programs, he continued, including means of increasing Government support for biomedical research and of aiding participation in these programs by minorities and women.

He noted that additional conferences of this nature are essential to keeping open the lines of communication established during the 3 days of this conference.