Karl Habel Named Dyer Lecturer Here Apr. 27

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He will explain that "viruses cause tumors because of a dynamic molecular interaction with the single cell. Both the type of virus and the type of cell involved are important determinants of the on-

Dr. Habel

New Studies May Lead to Revision of Accepted Beliefs on Epidemic Typhus

By Martha Mader

Studies which may ultimately lead to revision of the belief that epidemic typhus is transmitted only by lice and harbored only by man been by the National Institute of Allergy and Infectious Diseases.

Two projects financed with Public Health Service personnel honored at the 15th Annual DHEW Honor Awards Ceremony April 11.

Fourteen of the 20 NIH staff members honored at the DHEW Honor Awards Ceremony April 11 are shown with Surg. Gen. William H. Stewart. From left: Dr. Harold Stewart, Chief, Laboratory of Pathology, NCI; Dr. James A. Shannon, Director, NIH; Dr. Eli A. Rubinstein, Assoc. Director for Extramural Programs, NIMH; Dr. Robert A. Cohen, Director of Clinical Investigations, NIMH; Dr. Nathaniel I. Berlin, Clinical Director, NCI; Dr. Robert J. Huebner, Chief, Laboratory of Infectious Diseases, NIAID; Dr. Leon Jacobs (retired), formerly Acting Director, Intramural Research, NIAID; Dr. Karl A. Piez, Chief, Protein Chemistry Section, NIDR; Dr. Stewart; George A. Brandner, Supervisory Contract Administrator, NCI; Dr. Karl Habel, Chief, Laboratory of Viruses, NIAID; Karl D. Tordy, formerly Chief, Legislative Reference & Liaison Branch, OD; Dr. G. Robert Coateyn, Chief, Laboratory of Parasitic Chemotherapy, NIAID; Howard E. Kettl, Assist. Exec. Officer, NIH; and Dr. Gerald D. La Veck, Mental Retardation Program Director, NICHD.—Photo by Jerry Hocht.

Dr. James A. Shannon, Director of NIH, and 19 NIH staff members were among Public Health Service personnel honored at the 15th Annual DHEW Honor Awards Ceremony April 11.

The presentations were made by the Office of International Research, recently announced three appointments to OIR.

They are Drs. Gerald F. Combs, Jacques M. May and John I. McKigney. Dr. Combs was named Assistant Head of the Nutrition Section, Dr. May is serving as Medical Officer and Scientific Adviser on Nutrition to the Section and Dr. McKigney is Nutrition Adviser to Dr. Arnold E. Schaefer, Head of the Nutrition Section.

Experience Noted

An eminent researcher in the field of human nutrition programs and surveys. Since 1948 he has taught and engaged in nutrition research at the University of Maryland, from which he is presently on leave of absence.

As a consultant to the Nutrition Section (formerly the Interdepartmental Committee on Nutrition for National Defense), Dr. Combs made a number of trips to Latin America to assess nutrition programs, and also served on ICNN's (See OIR NAMES, Page 5)

CC Attracts Volunteers From Around the World

The international flavor of the NIH Clinical Center is noticeable in recent admissions of normal volunteers.

Four such volunteers admitted during the past 6 weeks came from four countries. They are Timothy Hindley, England; Isaac Klassen, Canada; Yvette Neal, France, and Reginald Paulus, Indonesia.

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Dr. Shannon Heads List of 20 at NIH Receiving DHEW Honor Awards Apr. 11

OIR Names 3 to New Positions in Nutrition Section

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List of Latest Arrivals Of Visiting Scientists

3/14—Dr. Tatsuhisa Yamashita, Japan, Section on Cellular Physiology. Sponsor: Dr. W. Kielley, NIH, Bldg. 3, Rm. 4.
3/28—Dr. David Rutherford, Great Britain, Laboratory of Chemistry. Sponsor: Dr. N. K. Richtmyer, NIH, Bldg. 4, Rm. 214.
3/28—Dr. Milan Novak, Czechoslovakia, Laboratory of Nutrition and Endocrinology. Sponsor: Dr. S. Chernick, NIH, Bldg. 10, Rm. 8D07.
4/7—Dr. Jorgen Fax, Sweden, Laboratory of Neurobiology. Sponsor: Dr. Ichiji Tasaki, NIH, Bldg. 10, Rm. B2A25.

Foreign Dance Festival At CC Next Thursday

An International Folk Dance Festival for CC patients and their friends will be presented on Thursday, April 21, at 7:30 p.m. in the CC 14th floor auditorium. NIH personnel are invited to attend.

' The Sea Hawk' Movie Set for Sat. by R&W

The next movie to be presented in R&W's classic film program will be "The Sea Hawk," starring Errol Flynn, Claude Rains and Brendan Marshall.

Daylight Time Due Sunday; Advance Timepieces 1 Hour

Next Sunday (April 24) at 2 a.m. most of the Nation, including the Washington metropolitan area, will go on Daylight Saving Time. All employees are reminded to set their clocks ahead one hour to compensate for the time change.

The PHS Commissioned Officers' Club is a private organization designed to meet the leisure-time needs of commissioned officers and other NIH personnel who are currently conducting a membership drive.

Social activities are among the purposes of the PHS Commissioned Officers' Club. The club's varied program is largely family-centered, with special activities such as gymnastics and bridge parties for wives, a teenage club and seasonal parties for the entire family. Special dinners or other events are held once a month.

Any Commissioned Officer of the Public Health Service is eligible for membership, together with such persons (Civil Service) as may be deemed by the Board of Directors to be eligible, according to the club by-laws.

Anyone interested in joining the club is invited to write to Ruth A. Shvedoff, Membership Committee Chairman, Bldg. 7, Rm. 23, here at NIH.

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NIH Record Office... Bldg. 31, Rm. 4B13. Phone: 49-62125

E. Kenneth Stabler

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PERSONNEL

CONDUCT REGULATIONS

The Department's new regulations on Standards of Conduct were published in the Federal Register March 18—in accordance with Civil Service Commission requirements. The regulations are designed to implement the spirit and intent of the Executive Order 11229, "Prescribing Standards of Ethical Conduct for Government Officers and Employees."

Future employees of NIH are urged to read their individual copy of the regulations promptly and look to their supervisor or personnel officer on any questions.

Failure to follow this channel of communication can cause payroll problems, with such persons (Civil Service) as may be deemed by the Board of Directors to be eligible, according to the club by-laws.

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New arrivals, occupations, etc. are listed below.

List of Latest Arrivals Of Visiting Scientists

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The next movie to be presented in R&W's classic film program will be "The Sea Hawk," starring Errol Flynn, Claude Rains and Brendan Marshall.

In the best tradition of the swashbucklers, the story involves a pirate who is captured and forced to become a galley slave. He later escapes to commandeer a ship against the Spanish plotters who seek to invade Elizabethan England.

Show time is 8 p.m. in the Clinical Center auditorium, Saturday, April 23. R&W members, their guests and friends are invited to attend. Admission is free but we request that you show your R&W card at the door.

Daylight Time Due Sunday; Advance Timepieces 1 Hour

Next Sunday (April 24) at 2 a.m. most of the Nation, including the Washington metropolitan area, will go on Daylight Saving Time. All employees are reminded to set their clocks ahead one hour to compensate for the time change.

NIH personnel working the tour of duty extending from 12 midnight to 8 a.m. will work one hour less that day as a result of the change and should be charged one hour's annual leave. With the return of Eastern Standard Time in the fall, employees working this tour will be compensated for one hour's overtime.

The net result is that these employees will be ahead one-half hour's pay.

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**Murray Diamond Wins Meritorious Service Medal**

Assistant Surg. Gen. Murray A. Diamond was awarded the Meritorious Service Medal of the U.S. Public Health Service on April 7, 1966. Presented by Surg. Gen. William H. Stewart, the citation read:

"In recognition of his dynamic and far-sighted leadership in organizing Public Health Service personnel systems to provide efficient and responsible personnel services to operating programs; in establishing career development programs for effective selection, training, utilization and assignment of personnel and in recognition of his personal integrity and loyalty which reflect the highest standards of public service in his performance of duties."

**Duties Listed**

1. Developing and administering overall personnel policies and programs of the Public Health Service.
2. Serving as consultant with the Civil Service Commission and other federal agencies on personnel matters.
3. Testifying before Congressional committees on personnel legislation;
4. Handling other personnel matters of the Service.

**NCI Symposia Papers Updated and Published**

The National Advisory Cancer Council is sponsoring publication of Primary Hepatoma, Carcinoma of the Alimentary Tract, and Viruses Inducing Cancer.

The new publications contain updated and revised papers presented in abbreviated form at three workshops held by the Council's Carcinogenesis and Prevention Subcommittee at the National Cancer Institute in November 1965, June 1964, and July 1965.

More than 30 cancer authorities participated in each of the workshops, which were called to assess current knowledge and stimulate further investigation in selected areas.

Copies are available upon request from Miss Pauline Stephan, Executive Secretary of the Carcinogenesis and Prevention Subcommittee, Bldg. 21, Rm. 10A35.
Approval Given First Union Agreement
Covering DRS's Eligible W-B Employees

The first Employee-Management Cooperation Negotiated Agreement between NIH and an employee organization—the Washington Area Metals Trades Council, AFL-CIO—was signed and approved by the U.S. Department of Health, Education, and Welfare recently.

It covers working conditions of all eligible non-supervisory wage board employees of the Grounds Maintenance and Landscaping Section, Plant Engineering Branch, Division of Research Services.

Recognition Exclusive

The Council has exclusive recognition for that Section and, therefore, has the right, under the Federal Employee-Management Cooperation Program, to negotiate an agreement on behalf of Federal employees in the unit.

Chief negotiator of the agreement for NIH was Ross Holliday, Chief of the Plant Engineering Branch. Others were Charles Hayes, Employee Relations Officer, Personnel Management Branch, OD, and Milford D. Myers, Chief of the Grounds Maintenance and Landscaping Section.

Negotiators Named

Washington Area Metal Trades Council's negotiators were chief negotiators George Lima (International Representative), Sylvan Szwed (local representative), and Levan Gardner, an NIH employee. Other member negotiators were Sype Pointer and John Fitzgerald, both NIH employees.

The agreement was signed for NIH by Dr. James A. Shannon, Director, and Messrs. Holliday, Hayes and Myers.

Signing for the Council were Raymond Searles, President; William Wiggins, President, Local 960, International Hod Carriers, Building and Common Laborers Union, and Messrs. Gardner and Pointer.

DHEW Approves

DHEW approval was given on March 15 and the agreement was signed by James C. O'Brien, DHEW Director of Personnel.

The recent agreement covers all eligible non-supervisory wage earners in the Grounds Maintenance and Landscaping Section, Plant Engineering Branch, Division of Research Services.

261 Units of Blood Donated

In March; 10 in Gallon Club

The Clinical Center Blood Bank reports that 261 units of blood were received from NIH donors in March. During the same period CC patients received 2,117 units of blood.

Ten NIH staff members joined the “gallon-donor club.” They are J. Sherman Mason Jr., NIAMD; Franklyn D. Gray, CC; Glenn R. Maynard, DBG; Mitchell S. Hatton, OD; Robert J. Blackburn Jr., DBS; Joel R. Hedetniemi, NIMH; Alexander R. Orban, DRS; Harold Landis, NIMH; Anthony R. Gray, DCRT, and Land B. May, OD.

CDC in Atlanta to Hold
Lab Refresher Courses

The Laboratory Branch of the Communicable Disease Center, U.S. Public Health Service, Atlanta, Ga., is presenting a series of laboratory refresher training courses in special subdivisions of microbiology from August 1, 1966 through June 30, 1967.

The 28 courses vary in length from 6 days to 4 weeks, depending upon the subject matter.

Information and application forms may be obtained by writing to the Training Office, Laboratory Branch, Communicable Disease Center, Atlanta, Ga. 30333.

TYPHUS

(Continued from Page 1)

companion study on typhus.

Dr. Imam, a recognized expert on rickettsial diseases in the U. S. Army, has concentrated on typhus investigations in domestic animals. These studies have reinforced the Ethiopian findings, which were the first solid suggestion that epidemic typhus might have an animal reservoir. Antibodies to typhus have been demonstrated in camels, donkeys, sheep, goats and pigs.

Dr. Ormsbee and the NAMRU-3 scientists have worked with wild animals, chiefly rodents and foxes, in Egypt. The group, members of the Washington Area Metal Trades Council, AFL-CIO, is Project Officer in Cairo, Egypt.—Photo by Sam Silverman.

cause it could direct our attention to a new area in control programs.

Epidemic typhus, known primarily as a disease of war and famine, is an acute fever caused by bacteria-like microorganisms—rickettsiae—and transmitted by the human louse.

Distressed, lice-infested populations have been thought to be the only reservoir of the disease, which has been largely brought under control through use of insecticides and an effective vaccine.

Disease Declines

The last epidemic in Egypt occurred in 1942-43, with 46,000 cases and 10,000 deaths. The disease has now declined to negligible proportions in that country. “Due,” Dr. Imam points out, “the important thing is that we have no way of knowing whether or when typhus may become a problem again.”

Dr. Imam and the NAMRU-3 project will end this summer, spent some time at the Rocky Mountain Laboratory before returning to Cairo.

Virginia Wolfe (left) and Jane Luckom, members of the Walter Johnson High School Service Corps, choose from the 1,200 children's volumes in the Clinical Center Patients' Library before reading bedtime stories to the patients there.—Photo by Ralph Fernandez.

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Training Program Increases Efficiency, Saves Time of CC Housekeeping Staff

John Summerour, labor foreman in the Environmental Sanitation Control Department (right), gives instruction in the use and maintenance of hand tools to supervisors who, in turn, will teach other employees. The supervisors, from left, are Lillian Wells, Charlie Chandler, Fred Whitaker and Mrs. Ruie Turner. —Photos by Ralph Fernandez.

By Bowen Hosford

Last year employees in the NIH Clinical Center's Department of Environmental Sanitation Control spent 53,000 hours—equal to 25 man-years—in classroom and on-the-job training. And they saved time doing it.

Howard W. Spence, Chief of the Department, points out that the training program leads to such efficiency that workers can clean many areas more frequently.

Recently 28 supervisors divided $1,000 as a sustained superior work performance award (See NIH Record, Jan. 12).

Each supervisor is, at first, a trainee and, afterwards, a teacher. Before he is designated a teacher, he learns to maintain his equipment like a Marine learns to maintain his rifle.

Poses as Worker

Then one of the officials of the department poses as a new worker who needs to be taught by the supervisor.

Training is a joint endeavor of the Development and Training Section, headed by Frank Schulte; and the Operations Section, headed by Mrs. Inge Sander.

The training must go on continually because of new equipment, new procedures or modification of old ones.

For example, sanitarians made bacteriological tests that showed that drinking fountain heads had crevices in which bacteria could successfully hide. This led to the installation of a new type of fountain head throughout the CC and NIAID.

Nutrition Section staff, Dr. McKigney has participated extensively in an Inter-Agency Task Force in developing nutrition guidelines.

He received the B.S. degree in animal husbandry and the Ph.D. degree in animal nutrition from the University of Florida. Dr. McKigney's publications include a number of reports on research conducted on biochemical aspects of animal nutrition.

OIR Names (Continued from Page 1)

Dr. May

Dr. McKigney

Adviser to WHO

A recipient of the French Legion of Honor, Dr. May has also served as an adviser to the World Health Organization. He is a graduate of the Sorbonne and holds degrees in medicine and in medical science from the University of Paris.

Dr. McKigney has served as adviser on program development in agricultural and animal nutrition to several Latin American countries.

Prior to joining OIR he spent a year training in effective public health administration under the NIH Grants Associates Program. Since becoming a member of the editorial committee.

He was consultant to the Food and Agriculture Organization of the United Nations and served as adviser on nutrition to the Man-in-Space Committee of the National Research Council. He is Secretary of the U.S. National Committee of the International Union of Nutritional Sciences, and represents the American Institute of Nutrition in the National Academy of Sciences.

The author of numerous published papers, Dr. 'Combs' has served on the editorial boards of the Journal of Nutrition and Poultry Science. A graduate of the University of Illinois, he received his Ph.D. degree from Cornell University.

Internationally acclaimed for his work on the ecology of diseases especially concerning nutrition, Dr. May is Chief Consultant in Nutrition to the Office of Technical Cooperation and Research of the Agency for International Development in addition to his duties at OIR. He is also co-ordinating the Preschool Child Nutrition Program now developing in AID.

While working for AID in Saigon, Vietnam, and serving as adviser on public health, he organized a medical school and taught public health. Since 1962 he has been a special consultant to AID.

For many years Dr. May headed the Medical Geography Department of the American Geographical Society in New York. During that time and subsequently he wrote or co-authored many publications in English and in French on geographic distribution of diseases and on the ecology of malnutrition.

NIAMD Conferees Seek Working Hypothesis for Mycoplasma Experiments

A renaissance of interest in the mycoplasma, the smallest free-living microorganism, was expressed at a recent conference sponsored by the National Institute of Arthritis and Metabolic Diseases and the Division of Research Grants.

Forty delegates to the conference sought to establish a "working hypothesis" to guide the design of future experiments with mycoplasma.

Topics discussed included the precise definition of mycoplasma, diseases in animals and man known to be associated with these organisms, evidence for the association of mycoplasma with human arthritis, and possible mechanisms of interaction between host and agent.

Chairmen of the conference were Dr. John L. Decker, Chief of the Arthritis and Rheumatism Branch, NIAMD, and Dr. Alfred J. Bollet of the University of Virginia School of Medicine, who is Chairman of the General Medicine Study Section, Division of Research Grants at NIH.

Among the proposals made at the conference were that standard reference sera (immune blood fractions capable of reacting with mycoplasma) be made available in research banks for the use of investigators, and that medical and veterinary resources for the study of mycoplasma be brought together, where possible.

The Environmental Sanitation Department's workers handle the whole job, except for surgical suites and mechanical space.

American and foreign visitors often comment on the really clean research hospital. Housekeeping staffs in other hospitals keep phones busy with inquiries about cleaning materials and techniques.

Dr. Jack Masur, Director of the Clinical Center, praised the environmental sanitation control workers for their appreciation of the need for "a clean bettering house to eliminate the germs that threaten our patients. In this way they give our doctors and nurses and scientists the best chance to make the sick whole and gain new knowledge that will help doctors do the same all over the world."

Dr. Bollet

Dr. Decker
Peptic Ulcers Are No Laughing Matter, PHS Illustrated Pamphlet Points Out

Humorists and cartoonists have long treated ulcers in a jokey vein. These gastrointestinal disorders, however, are far from a laughing matter, at least to the estimated 14 million Americans, or over 7 percent of the population, who now have or have had an ulcer of the duodenum or stomach.

A new illustrated pamphlet, titled “Peptic Ulcer,” now available from the Public Health Service, explains why in easily understood language.

Prepared by the National Institute of Arthritis and Metabolic Diseases, the pamphlet notes that each day an estimated 4,000 more persons develop an ulcer, and that each year about 10,000 individuals in the U.S. die of complications of peptic ulcer.

The 15-page pamphlet presents general background information on peptic ulcer. It also outlines the causes, symptoms, techniques for diagnosis and current methods of treatment, both medical and surgical. The more serious complications of ulcer, such as hemorrhage and perforation, also are discussed.

Virtually all ulcers occur in the small intestine just below the stomach, or in the stomach itself, the pamphlet explains. Those in the duodenum, or first portion of the intestine, are called duodenal ulcers; those in the stomach are called gastric ulcers. In this country, duodenal ulcers are estimated to be about eight times more common than gastric ulcers.

Many Affected

Either type may occur from infancy to old age but they are most frequent after the age of 20. People in the 30-to-50 age bracket are slightly more prone to ulcers, and they occur in people in all walks of life.

Although both men and women develop ulcers, they occur more often in men. Recent statistics indicate, however, that the incidence of peptic ulcer is increasing in women.

Single copies of “Peptic Ulcer”—PHS Publication No. 280, Health Information Series No. 71—are available from the Public Health Service, Washington, D.C. 20201. It may also be purchased from the Government Printing Office, Washington, D.C. 20402, for 15 cents.

Brain Injury Restitution Discussed at Conference

A conference on “Mechanisms in Restitution of Function After Brain Damage,” held in San Francisco recently, was sponsored by the National Institute of Neurological Diseases and Blindness.

Approximately 40 scientists representing the basic disciplines of neuroanatomy, neurochemistry, neuropharmacology, and neurosurgery, as well as clinical disciplines of neurology, neurosurgery, and psychiatry participated.

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April 24-30 Is Designated NIH Spring Clean-Up Week

April 24-30 has been designated by the Safety Office of NIH as Spring Clean-Up Week. This will be an employee-action campaign to improve safety conditions here by the removal of trash, unneeded chemicals and gas cylinders, and unused equipment.

A time-table type of brochure will be distributed on an office-to-office basis. It will offer suggestions on what to look for and recommend actions in (1) discarding unneeded material and (2) proper storage of those things that are not discarded.

and periodontal tissues exposed to the ammonia solutions revealed cell destruction and loss of carbohydrate material, Dr. Rizzo said.

Recent studies by Dr. E. J. Miller and G. R. Martin throw new light on the structure of the organic portions of bone.

Collagen, a protein, is the major organic component of bone and is found in almost all tissues. Its predominant function is to resist mechanical stresses and strains.

Findings Vary

Bone collagen is highly insoluble in the solutions normally used to extract collagen from other tissues. For this reason, it had been generally thought that bone collagen was different from collagen of other tissues.

Previous work carried out by NIDR investigators indicates that skin collagen undergoes a maturation process similar to the tanning of leather. During this maturation process, crosslinks form, and the collagen becomes progressively less soluble.

In the current study, analyses indicate that bone collagen has a structure similar to other collagens but that it is usually more highly crosslinked. The investigators were able to extract the bone collagen by blocking the formation of crosslinks in laboratory animals through chemical treatment.

Conclusions Drawn

According to Mrs. Miller and Martin, these findings indicate that the collagens found in various tissues are quite similar, but that the rate and extent of crosslinking varies. Undoubtedly, the maturation process is an important factor regulating the functioning of tissue collagens.

The first laboratory evidence that fluoride enhances the perfection of crystals in tooth enamel has been obtained by Dr. P. D. Frazier. This finding suggests how fluoride reduces caries, since many scientists believe that more perfect crystals are less susceptible to dental decay.
the NIH incinerator capacity. DRS has requested funds for a new incinerator.

The Bureau of the Budget has directed additional studies to determine the feasibility of a single Federal incinerator installation to serve NIH, the National Naval Medical Center, and the Walter Reed Army Medical Center. A report on this is expected soon.

During the coming years, increased interest in clean air conditions at NIH will develop due to the increased load on both the steam boilers and the incinerator. The increased load will result mainly from the operation of Bldgs. 36, 37, 22A, 31C, the Virus Isolation Building, and the new NICHD laboratory. As part of the expansion of the master utilities system here, an additional boiler is being designed for the power plant.

Meanwhile, the Public Health Service air pollution program is developing rapidly and is supported by Bureau of the Budget interest in improving Federal facilities.

The concentration of population within the immediate area of NIH is also increasing rapidly with new construction. All these factors are now being considered by DRS as pointing to the need for greater concern in maintaining cleaner air.

**DYER LECTURE**

(Continued from Page 1)

cogenic (tumor-forming) interaction."

-Evidence suggests that with DNA tumor viruses (those in which the genetic material is deoxyribonucleic acid) it may be necessary for the virus DNA and that of the host cell to have chemical structures in common for the virus to be oncogenic, Dr. Habel will report.

The functional state of the cell and the condition of its chromosomes at certain times in the virus replication cycle may also influence the process, he says, adding, "Subsequent growth and development of a gross tumor are strongly influenced by immunological factors."

The Dyer Lectureship was established in 1950 to honor Dr. Rolla E. Dyer on his retirement as Director of the National Institutes of Health after a distinguished career in the U.S. Public Health Service. The lecturership is administered by NIH and is awarded annually to a scientist who has made an outstanding contribution to knowledge in the field of medical and biomedical research.

**Experience Cited**

Dr. Habel has been a commissioned officer in the Public Health Service at NIH since 1938 and Chief of the Laboratory of Viruses since its establishment in 1950.

One of the world's foremost authorities on rabies, Dr. Habel was the principal participant in the development of the Habel-Sockrider apparatus for the preparation of ultraviolet-inactivated rabies vaccine. He also developed a vaccine for mumps. In the 1950s he became prominently associated with polio research; and his achievements in basic research helped bring the disease under control.

**Affiliations Listed**

Dr. Habel is an editor of Virology, and a member of the Board of Governors of the American Academy of Microbiology, the Board of Managers of the Wistar Institute, the World Health Organization Expert Committee on Rabies, and the Board of Trustees and Advisory Committee of the Federated American Societies for Experimental Biology.

He is a graduate of the University of Pennsylvania, where he is an associate member of the Board of Trustees. He received his M.D. from Jefferson Medical College.

**Breast Cancer’ to Be On WAMU Saturday**

"Breast Cancer," the 12th radio program of the NCI Research Report Series, is scheduled to be broadcast locally over WAMU-PM (88.5 mc) Saturday, April 23, at 4:30 p.m.

Scientists will discuss epidemiological studies of this type of cancer — the major cause of cancer deaths in American women — and review research on the causes, detection and treatment of breast cancer by surgery, radiation and drugs.

Nineteen Gray Ladies graduated following a 6-month course at the NIH Clinical Center. They are now aiding the CC professional staff in patient care one or more days a week. Pictured (1 to r): Mrs. Patricia Mereill, Mrs. Margaret Trew, Miss Peggy Alexander, Mrs. Nancy Bechter, Mrs. Evelyn McClenathan, Mrs. Betty Haynes, Mrs. Betsy Popel, NIH Red Cross Volunteer Chairman; Mrs. Nancy Blair, Mrs. Katherine Lewis, Vice-Chairman; Mrs. Charlotte Lyman, Mrs. Olive Pfefferkorn, Mrs. Dorothy Howard, Mrs. Pearl Mason and Mrs. Verla Richtmyer. Other graduates, not shown, are Mrs. Carol Pollak, Miss Carol Reid, Miss Margaret Jordan, Mrs. Mary Berkley, Miss Lain Renfer and Miss Catherine Clifford. The next CC Red Cross volunteer class starts in June. Candidates are asked to call the Montgomery County Red Cross Chapter, JU. 8-2515.—Photo by Thomas Joy.