HEART INSTITUTE LAUNCHES BIG PROGRAM

Mr. George M. Azpell (left), purchasing assistant in the Purchase & Supply Branch, collects a grin and a handshake from NIH Executive Officer Albert F. Siepert and $90 minus $6 tax deduction from the FSA Board on Employee Awards for price negotiations that saved the Federal Government $2700.

SURGEON GENERAL PAYS TRIBUTE TO DR. PARKER

"Dr. Parker was a dedicated and persistent man. He devoted his entire life to the service of his Government and of mankind. His death represents a loss to medical research not only in this country but throughout the world."

This tribute to the late Dr. Ralph R. Parker, co-discoverer of a vaccine for Rocky Mountain spotted fever and Director of the Rocky Mountain Laboratory of the National Institutes of Health, was paid by Surgeon General Leonard A. Scheele of the Public Health Service.

A pioneer in spotted fever research, Dr. Parker began his work in this field in 1916 in a cabin with one assistant. At the time of his death he directed a staff of 154.

HEALTH GROUP LAUDS NIH RESEARCH PROGRAM

"Resolved, that the membership of the Southern Branch of the American Public Health Association endorses the fine research program carried forward by the National Institutes of Health."

This resolution was passed by the Southern Branch at its annual meeting held recently in Dallas, Tex.

NIH EXHIBITS SHOWN AT LOCAL TRADE SHOW

Exhibits depicting the work of the National Institutes of Health were contributed by the Office of Scientific Reports to the Bethesda Trade Show, September 29 to October 1.

$10,000,000 IN GRANTS FOR FISCAL YEAR 1950

A large-scale nationwide attack on heart disease was launched in September when a total of $8,614,737 in Federal funds was awarded to 85 medical schools and research institutions in 34 states and the District of Columbia.

Administered by the National Heart Institute, the funds will be used for stepped-up heart research, for expanded programs of heart teaching in medical schools, and for building additional heart research laboratories throughout the country.

These grants are in addition to grants announced in July (amounting to $1,200,000 for continuing research projects already underway) and provide a total of nearly 10 million dollars in federal funds for the fight against heart disease during the fiscal year ending next June 30. This represents more than a six-fold increase over grants for heart research awarded last year.

Federal funds have also been made available as follows:

For heart research fellowships, to be awarded to promising young scientists in order to develop outstanding research ability, 33 grants totalling $107,700 have been approved.

For heart traineeships, awarded to increase proficiency of practicing physicians in the special field of cardiovascular diseases, 61 grants in 26 states totalling $215,000 have been awarded.

(See Heart Institute, Page 4)
**Research Activities**

**Science Elsewhere**

**Bones Lengthened**

Preliminary experiments in lengthening the legs of dogs may have clinical application to children who, because of disease, have short legs.

Added growth of bone in dogs resulted after an arteriovenous communication had been made between the external iliac artery and vein of the left hind leg.

The experiment is reported by Drs. J. M. James and J. E. Musesgrove in the August 3 issue of Proceedings of the Staff Meetings of the Mayo Clinic.

**Coagulation Studies**

Uncontaminated amniotic fluid, collected prior to childbirth, has been found to contain a blood coagulant.

One part of amniotic fluid added to 20 parts of blood cut in half the time required for clotting.

Studies by Drs. A. E. Weiner, D. E. Reid, and C. C. Roli of Harvard Medical School, reported in the August 19 issue of Science, suggest that amniotic fluid may play an important part in checking normal after-birth hemorrhage.

**Dr. Wright Appointed to W. H. O. Committee**

Dr. Willard H. Wright, Chief of the Laboratory of Tropical Diseases, Microbiological Institute, has been appointed a member of the Expert Committee on Schistosomiasis of the World Health Organization.

The committee will meet for the first time at Cairo, Egypt, on October 24-29 to consider control measures.

Schistosomiasis is endemic in many parts of Africa and Asia and occurs also in South America and parts of the West Indies. Its possible spread into the continental United States is a subject of continuing investigation in the Laboratory of Tropical Diseases.

**Studies in Adrenal Physiology**

Dr. Bernardo A. Houssay prepares to inject ACTH into the vein of an experimental animal, producing diabetes. Drs. William H. Sebrell, Floyd S. Daft, and Evelyn Anderson watch the demonstration, which took place last March.

Some of the members of the staff of the Experimental Biology and Medicine Institute have been interested in the adrenal gland for a long time. Although they are the first to hail the discovery of the uses of cortisone and ACTH in treating rheumatoid arthritis and some other chronic diseases, they feel that this serves to increase the responsibility of learning more about the basic physiology of the adrenal cortex.

Dr. William H. Sebrell, Director of the Institute, and Dr. Floyd S. Daft, Assistant Director and Chief of the Laboratory of Biochemistry and Nutrition, have contributed considerably to the knowledge of the physiology of the adrenal. They made some of the earliest observations on the relation of the adrenal to nutrition and were the first to show that pantothenic acid deficiency in the rat led to hemorrhagic changes and finally atrophy of the adrenal.

Dr. Evelyn Anderson, Chief of the Section on Endocrinology, in 1933 collaborated with Drs. J. B. Collip and D. L. Thomson at McGill University in proving the existence of ACTH as a distinct hormone entity.

Dr. Bernardo A. Houssay of Argentina, 1947 Nobel Prize winner, while a Special Research Fellow at EBMI early this year showed that ACTH produced diabetes in experimental animals.

Dr. Sebrell proposes to set a large part of the facilities of EBMI to work on the basic physiology of the adrenal.

**Perry and Reed at Photo Meeting**

Mr. Roy Perry, head of the Photographic Research Section, OSR, and Mr. Donald R. Reed, head of the Color Reproduction Section, OSR, represented the National Institutes of Health at the annual meeting of the Photographers Association of America in Chicago last month.

**Mobile Blood Unit**

**Coming Here Oct. 5**

The Mobile Blood Unit will come to Wilson Hall again on October 5.

NIH people interested in donating blood should complete the appointment cards, which were recently distributed, and return them to the Personnel Branch, 113 Administration Bldg.
Q FEVER ORGANISM FOUND IN DOG TICKS

Recovery of the Q fever organism from brown dog ticks has been reported for the first time by the late Dr. Ralph R. Parker and Dr. Oscar Sussman, veterinarian.

Eighteen ticks, collected from a dog in Phoenix, Ariz., were tested in the Rocky Mountain Laboratory. Identification of a strain of Coxiella burnetii was determined by pathological studies of guinea pigs inoculated with triturated ticks.

The paper was published in the September 9 issue of Public Health Reports.

ELECTRON MICROSCOPY OF HEATED BACTERIA

A series of electron microphotographs depicting the effect of heat on bacterial protoplasm will serve as a control in the interpretation of certain nuclear stains that require heating.

The microphotographs appear in an article entitled "The Electron Microscopy of Heated Bacteria" which was published in the August issue of the Journal of Bacteriology. The authors: Dr. Carl-Gorcn Hedon of the Caroline Institute, Sweden, and Dr. Ralph W. G. Wyckoff, Chief of the Section on Molecular Biophysics in the Laboratory of Physical Biology, Experimental Biology and Medicine Institute.

The studies show that the protoplasm of young colon bacilli becomes coarsely granular when heated for 10 minutes in water at 55°C or above. When the organisms are heated in saline, the beginnings of such a granulation become evident at as low a temperature as 40°C; it is complete above 50°C.

It was further noted that protoplasmic coagulation can be reversed by allowing the bacteria to stand overnight suspended in distilled water, provided the original heating temperature is below 50°C.

CANADIAN SCIENTIST PICKS UP TERM HERE

In a paper on the "precancer" stage of carcinoma of the cervix Dr. J. Ernest Ayre, Canadian gynecologist who visited the National Cancer Institute several months ago, discusses the controversy over calling suspicious cells of the cervix "precancer" cells.

Since the term "precancer" is looked upon unfavorably by some pathologists, the author uses the alternative term "nearo-cancer" that was suggested to him during his visit to the Institute, by Dr. Harold L. Stewart, Chief of the Pathology Section, and Dr. Alexander Symeonidis, Special Research Fellow. This term was devised by Dr. Stewart and Dr. Symeonidis to describe the early recognizable microscopic findings that indicate a given lesion to be cancerous. The need for such a term arose in the course of Dr. Stewart's experiments on gastric cancer in mice fed with 20-methylcholanthrene, to avoid the pitfalls and ambiguities of the term "precancer." The prefix "nearo" is derived from a Greek word meaning "very young."

The new term indicates the "earliest stage" -- a stage which may be the precursor to the entity called carcinoma in situ or intrap epithelial carcinoma.

Dr. Ayre's paper, published in the August issue of Clinical Pathology, is a combined cytologic and histologic study with the report of a case.

CANCER CONSTRUCTION GRANTS ARE ANNOUNCED

Grants totaling $3,250,000 to assist in the construction of cancer research facilities at nine institutions were announced in September.

The grants were made by the National Cancer Institute following recommendation by the National Advisory Cancer Council and approval by the Surgeon General.

All the grants were made to institutions with a strong affiliation to medical schools.

The grants permit additions to existing structures, or supplement funds contributed by the institutions themselves or by outside donors.

Greek word meaning "very young."

The new term indicates the "earliest stage" -- a stage which may be the precursor to the entity called carcinoma in situ or intrap epithelial carcinoma.

Dr. Ayre's paper, published in the August issue of Clinical Pathology, is a combined cytologic and histologic study with the report of a case.
FOREIGN WAR VETS NOW MEET AT TOP COTTAGE

PHS Post 9918 of Veterans of Foreign Wars will meet at Top Cottage on the third Tuesday of each month hereafter.

Mr. Raymond Wilding of our division of Research Grants and Fellowships is Junior Vice Commander of the Post. (Mr. Ray W. Grim of the PHS Division of Dental Public Health, downtown, is Commander.)

If you are eligible to join, why not do so at the next meeting (8 p.m., October 18)? For further information, call Mr. W. D. Levillain on Ext. 632.

CREDIT UNION MEMBERS TO GET GOOD DIVIDEND

If you’re one of the 814 members of the NIH Credit Union, your annual dividend will be equivalent to 4 or 5 percent interest on your savings.

If you’re not one of the lucky members of the Credit Union, but would like to get a dividend next year, why not join now?

Call Mrs. Amy L. Nifong on Ext. 517 or Capt. L. M. Johnson on Ext. 417 for information on joining the Credit Union.

NEW PEOPLE JOIN US

During August the following persons joined our staff:

Barbour, John D.--EO-Bldgs
Black, Frank S.--EO-Bldgs
Byrnes, Lola H.--NCI-Admin
Cainell, Wilbur H., Jr.--NHI-Clin. Research
Clatworthy, Dr. H. William, Jr.--NHI-Clin. Research
Cook, Henry J.--NCI-Research
DaLoo, Doris Anne--MI-Infect.
Davis, Ernest A.--EO-Bldgs
Dunn, M. Patricia--NCI-Research
Duvall, Ruth O.--NCI-Control
Elkind, Mortimer M.--NCI Research
Feeley, John J.--EO-Bldgs
Henley, Thaddeus A.--EO-Bldgs
Holliday, Reynold R.--EO-Bldgs
Infanger, Carlton A.--MI-RML
Jackson, Walter C.--EO-Bldgs
Koerner, Douglas A.--EO-Bldgs
Koval, George J.--EBMI-LPB
Lacey, Phyllis Ann--NHI-Admin
Leaman, Betty L.--EO-D & S
Leake, Tillie B.--NHI-Clin. Research
Leaman, Margaret L.--NCI Control
Luck, Jerry H.--NCI-Research
Mathews, Mark--EO-Bldgs
McKinley, Thomas W., Jr.--NCI Research
McLaughlin, Joseph H.--EO-Fisc
Melvin, Roy E.--EO-LAB
Middleton, John R.--EO-Bldgs
Moorhead, John D.--MI-RML
Moreland, Bessie V.--NCI Research
Neese, Donald E.--EO-Bldgs
Pellikan, Robert G.--NCI-Research
Poulsou, Carl L.--MI-RML
Rector, Evelyn F.--NCI-Research
Richter, Virginia M.--NCI-Admin
Robbins, James N.--MI-RML
Ross, William W.--EO-D & S
Sanderson, Jo Ann--MI-RML
Schmidt, Joseph F.--EO-Bldgs
Shaw, Ida M.--NCI-Research
Sneed, Edwin D.--NCI-Research
Stenton, Samuel E.--EO-Bldgs
Thompson, Maurice E.--EO-Bldgs
Townsend, Harry A.--MI-RML
Will, Everett V.--EO-Bldgs.

SCHOOL INFORMATION

Catalogues and schedules of universities in the Washington, D. C., area are available in Room 115, Bldg. 1.

ASSN. GETS DISCOUNT ON CONCERT TICKETS

Our Welfare and Recreation Association has been granted a 10 percent discount on tickets for each of the two Wednesday-evening series of 10 concerts each by the National Symphony Orchestra at Constitution Hall. (That is, provided there are as many as 25 subscribers.) And a 20 percent discount will be given on subscriptions for both series.

The Association is making this discount available to all NIH personnel. Circulars giving full details have been distributed, and information is also available on the bulletin boards.

Subscriptions will be accepted until October 7. Call Miss Ora Marshino on Ext. 2087.

SQUARE DANCES BEGIN

The first square dance of the season will be held October 7 in Wilson Hall at 8:30 P.M.

Gene Flynn will be the caller again this year.

Selected Reading

Recent additions to the Library:

Buxton, Patrick A.

Davey, Thomas H.

Edwards, P. R.

Feigl, Fritz.
Chemistry of specific, selective and sensitive reactions... N. Y., Academic Press, 1949.

Friedlander, Gerhart.
Introduction to radiochemistry. N. Y., Wiley 1949.

Frobisher, Martin, Jr.