

85
NATIONAL ADVISORY HEALTH COUNCIL
U.S. PUBLIC HEALTH SERVICEMinutes of Meeting
March 14-15, 1947

The National Advisory Health Council convened at 10:10 A.M., Friday, March 14, 1947, in Room 105, Administration Building, National Institute of Health, Bethesda, Maryland, Surgeon General Thomas Parran presiding. Council members present were Doctor George Baehr, Doctor Gordon M. Fair, Doctor A. Baird Hastings, Doctor Carl S. Marvel, Doctor Karl F. Meyer, Doctor John H. Musser, Doctor Harry S. Mustard, Doctor Henry F. Vaughan, Captain O. L. Burton, USN, Colonel Karl R. Lundeborg, Doctor Harry W. Schoening, and Assistant Surgeon General R. E. Dyer. Also present were Deputy Surgeon General James A. Crabtree; Doctor C. J. Van Slyke, Chief, Research Grants Division; Mr. Ernest M. Allen, Assistant Chief, Research Grants Division; and Doctor John D. Porterfield and Doctor David E. Price of the Research Grants Division. Miss Mary Switzer, Assistant to the Administrator, Federal Security Agency, was present at the morning session.

I. OPENING REMARKSA. Membership

Doctor Parran called the meeting to order and welcomed Doctor George Baehr, of New York City, as a new member of the National Advisory Health Council, vice Doctor Kenneth F. Maxcy, whose term of office expired December 31, 1946.

B. Minutes

Minutes of the December 6-7, 1946, meeting of the National Advisory Health Council were approved without correction.

II. REORGANIZATION LEGISLATION

Deputy Surgeon General James A. Crabtree presented the following report of pending health legislation in Congress related to the reorganization of the health and related services in the Federal Government:

"Within the present Congress there are three bills having to do with reorganization of the health services of the Federal Government that are of particular interest to the Public Health Service: (1) S-140, introduced in the Senate by Senator Fulbright of Arkansas, co-sponsor Senator Taft; (2) S-712, introduced by Senator Aiken, and (3) S-545, introduced by Senator Taft. It is thought it will be of interest to review briefly the provisions of these three bills,

"Taking up Senator Fulbright's bill first, S-140: .

"This bill would establish in the Government an executive department of Health Education and Security, under a Secretary with Cabinet status. The general objectives of the bill as stated would be essentially to carry out the functions that are now exercised by the Federal Security Agency, but it would be the express policy of the Congress that, in so far as possible, these activities would be carried out through State, local and public, both official and voluntary agencies, in such a manner as to provide for the most complete independence and autonomy of the State and local agencies.

"The administrative provisions of the bill would provide that there would be a Secretary of Health Education and Security with three Assistant Secretaries: (1) Undersecretary of Health, (2) Undersecretary of Education, and (3) Undersecretary of Security, with technical qualifications set up for each (i.e., the Undersecretary of Health must be an M.D.). It would be left to the discretion of the Secretary to organize this new department in any way he sees fit, with the exception that there must be at least three administrative units: a Division of Health, a Division of Education, and a Division of Security. It is the further expressed policy of this bill that the entire program of grants in aid to the several states must be carried out, in so far as possible, under a standard procedure and in a uniform manner.

"The bill would transfer to this department all of the constituent units of the Federal Security Agency. Within the Division of Health, there would be transferred the Public Health Service, Freedman's Hospital, the Food and Drug Administration, and the Federal Board of Hospitalization. Under the bill the Secretary is given authority to abolish any of the constituent units so transferred if he sees fit. It is of interest that while the Public Health Service, Freedman's Hospital, the Food and Drug Administration, and the Federal Board of Hospitalization are transferred to the Division of Health, the Children's Bureau would be transferred to the Division of Security, which Division deals essentially with social insurance--the functions of the whole Social Security Board. Those, in brief, are the provisions of the Fulbright Bill.

"Senator Aiken has introduced a shorter and simpler bill, S-712, that merely reconstitutes the Federal Security Agency and makes of it an executive department of Health, Education and Security.

"Then the third bill, S-545, introduced by Senator Taft for himself and jointly sponsored by Senator Smith of New Jersey, Ball of Minnesota, and Donnell of Missouri, would create an independent health agency of the Government, not of departmental status, called the National Health Agency, under the direction of a National Health Administrator. The bill begins by recognizing the scattering of health functions in the Federal Government, expressing the finding that there are inadequacies in the distribution of health services, and expressing the policy of the Congress that health and medical services shall be made available to

87

everyone without reference to race or economic status. The administrator of this newly created agency would be a doctor of medicine. The purposes of the agency as expressed would be to centralize into one agency in the Federal Government all of its health functions, but it does, in that connection, exclude specifically the Army, Navy and Veterans Administration. It provides for the transfer to the agency of the Public Health Service, St. Elizabeth's Hospital, the Food and Drug Administration, those functions of the Childrens Bureau having to do with the administration of Title 5 funds (essentially the health functions of the Childrens Bureau) and finally the Division of Health Statistics of the Bureau of Research and Statistics of the Social Security Administration.

"The Director of the Bureau of the Budget is required, under terms of this bill, to make a further study of the other health functions of the Government, with the view to reporting to the Congress by December 31 of this year with whatever recommendations he might have to make in respect to the transfer of any such additional functions.

"The bill spells out in considerable detail the administrative organization of this proposed agency, which would consist, in the first instance, of the Office of the Administrator. Other units would be: the Public Health Service, to which would be added St. Elizabeth's Hospital and Freedman's Hospital; an Office of Medical and Hospital Care Services, headed by a doctor of medicine, who is required to have had at least five years of active practice of medicine; an Office of Dental Care Services, required to be headed by a doctor of dentistry who must have had at least 10 years of active practice; an Office of Maternal and Child Health; an Office of Health Statistics; the Food and Drug Administration; and then such additional units as the Administrator might see fit to set up. The bill provides specifically that the organization of the Food and Drug Administration shall remain the same as it now is, to the extent that it does not conflict with the provisions of S-545.

"It provides also that the Surgeon General of the Public Health Service shall be appointed in the same manner as is now provided in Public Law 410, the basic law of the Public Health Service. The Administrator of this agency is required to make a further study of the organization and staffing of the National Health Agency and to report to the Congress on such study. That report must include reference to the salary scale in the agency, to the desirability of continuing the commissioned corps of the Public Health Service in the future, and to the desirability or not of setting up within the agency an Office of Health and Medical Research.

"Another provision would be an amendment to the Public Health Service Law setting up a new overall provision for grants to states, which would be a special paragraph dealing with cancer, in wording quite similar to our basic law in respect to venereal disease control and tuberculosis control. This section would impose a ceiling of 10 million dollars authorized appropriation annually for grants to states for cancer control.

"Perhaps the two most interesting and possibly also controversial features of the bill would be in connection with the Office of Medical Care and the Office of Dental Care. You will recall that those were two administrative units specifically provided for in this new agency. The substantive provisions under the title of medical care for individuals and families of low income are briefly these:

"An appropriation of 3 million dollars is authorized for grants to the States to assist them in making state-wide surveys of their needs and developing state-wide plans for a program of medical care for persons unable to pay the whole cost thereof.

"In developing such a program, each State would be required to designate a single State agency to carry out that survey and to develop a plan. Each State agency must have an advisory council, broadly representative. Then the title would provide for an authorized appropriation of 200 million dollars annually for five years as a grant in aid to the States to assist them in purchasing the medical care called for under the States' plan. Again, each State would be required to have a single State agency to administer this program, and by 1949 that single agency would have to be the health agency of the State. Also, this agency would have to have an advisory council broadly representative, with the specific requirement that representation should come from private voluntary agencies, State medical societies, etc. The expressed purpose of the five-year plan under this scheme is to develop a program whereby hospital and medical care services will be assured for all persons unable to pay the whole cost. The second broad purpose is to insure that there be given periodic physical examinations to the children of all primary and elementary schools. The State is given extreme leeway in the manner in which it may develop these programs. Funds may be used, for example, to pay costs directly; they may be used to finance premiums that are paid under insurance schemes, except that those insurance schemes must be voluntary and non-profit. From that point of view, any State compulsory scheme or any scheme operated for profit presumably could not be utilized in this plan.

"In administering this program, the appointment of a National Health Council is authorized, and the functions of that Council are somewhat comparable to the functions of the Federal Hospital Council in that it is given authority to veto the action of the Director of this office in the event the Director sees fit not to approve a State plan. Also, when once a State plan is approved and is operating, if, for any reason, the Director sees fit to withhold funds (if he believes that the State is not operating as it should), the State then may go to the U.S. Circuit Court and have a review. In other words, court review is provided as it is in the Hospital Act.

"The next title deals with Dental Care Services and is almost identical with the Medical Care scheme, except for some figures. One million dollars is authorized to be appropriated to assist the States in

making surveys and developing State plans for dental care. The Council device is the same--the requirement of a single State agency, etc. There is authorized to be appropriated for grants for payment of dental care services: the first year a total of 8 million dollars; the second year 12 million; the third year 16 million and the fourth and fifth years a ceiling of 20 million dollars. In addition, the Dental Care program authorizes funds to be used for the training of personnel. That is a provision that is not found in the program for medical care.

"Finally, the bill provides for the creation in the Public Health Service of a dental research program. Those provisions are quite similar to the dental research bill that passed the Senate the last Congress and in many respects comparable to the Mental Health Act that passed. It would authorize the establishment in the National Institute of Health of a dental research institute; authorize an appropriation up to 2 million dollars for the construction and equipment of the institute; would then authorize a program of grants in aid to research institutions, etc., to engage in dental research. The Council that would advise the Public Health Service on this grant program would be the Dental Health Council that would be provided to advise in connection also with the Dental Care Program.

"For the research program the first year there would be authorized appropriations up to \$75,000 that could be used in the services on intramural dental research, and \$125,000 for grants in aid and research fellowships, etc. The second year the figure would be increased to \$150,000 for research intramurally and \$250,000 for grants in aid and in subsequent years there would be a ceiling of \$300,000 both for the institute's research work and the grant in aid program.

"Those, briefly, are the provisions of these three bills."

The Council discussed the reorganization measures proposed and the implications in the bills of concern to the Public Health Service. Members also mentioned Senate Bill 101 and House Bill 475, concerned with industrial health, and their relation to the U.S. Public Health Service and the Labor Department. Doctor Crabtree briefly summarized these bills as follows:

"The Public Health Service has made official comment on Senate Bill 101 introduced by Senator Johnston of South Carolina, with Senator Morse.

"Senate Bill 101 provides for the Department of Labor to set up an instrument for assisting the State agencies to administer labor laws in establishing and maintaining safe and proper working conditions in industry and in the preparation, promulgation and enforcement of regulations to control industrial health hazards. The substantive provisions are confined to accident prevention and not to industrial hygiene per se. There is no provision in the bill that gets beyond accident prevention.

90

"House Bill 457, introduced by Mrs. Norton, has substantially the same title and substantially the same provisions in that the Department of Labor is authorized to assist State departments of labor, State labor commissions, etc., not only in accident prevention but also in connection with the general health problems in industry. There is specific provision that in the operation of these plans the services and facilities of the Public Health Service in the field of industrial hygiene shall be utilized to the extent such services may be made available to the labor departments of the States.

"The Public Health Service has, over the years, taken the position that the promotion of safety is an appropriate function of the Labor Department; industrial health activities are a function of health organizations; and that any legislation the Public Health Service can support should make a perfectly clear distinction between safety work and industrial health."

III. PROGRESS REPORT - PRESIDENT'S SCIENCE BOARD

Miss Mary Switzer, Assistant to the Administrator, Federal Security Agency, presented the following report of the President's Science Board:

"To outline briefly the history and development of the Board, last October the President issued an Executive Order setting up a Cabinet committee to study the present state of the Government in scientific research and to make recommendations to him on what further involvement the Government should pursue and what, if any, steps for coordination of research should be recommended. There was nothing done following the Executive Order until January. In the meantime, much happened and the emphasis of the study changed considerably. At the present time, there is a staff attached to the White House under the direction of Donald Kingsley (who was the Deputy Director in the Office of War Mobilization and Reconversion) and a staff of analysts and scientists whose major task, first, is to gather information on the projects being undertaken by the Government intramurally and by contracts and grants with outside institutions, with a view of finding out what the Government investment is, at the present, in scientific research. The second objective is to try to arrive at some estimate of how much is being spent in research generally through universities and schools of various sorts; and, third, what investment industry has in this same area.

"How accurate the ultimate reports will be is problematical. We can, of course, get a good picture of what is going on in the Government--we have developed a rather elaborate questionnaire that will bring that information in. How much we get from the outside depends on the skill with which the staff can evaluate information at their disposal.

"In addition to a study on the actual research, the committee will also study personnel--where it is, what the personnel potential is, what recommendations should be made to insure a continuing good supply

91

of scientific personnel, how to do it and how to finance it; and, finally, if possible, to come up with some agreement on the amount and kinds of research the Federal Government should engage in; where the areas of lack are now; whether there is any unjustifiable duplication, and in general what should be the Government's program in research, in the hope that the President could then be in a good position to make some recommendations concerning the Science Foundation, or, if the Science Foundation Bill should not pass, to decide on appropriate Government agencies and proper administration of the amounts of money that will be necessary to do the research. I think it is fair to say that the staff is very sympathetic to the whole problem, and the atmosphere in which the study is being done is constructive and favorable to the program of scientific research. The limitations are the lack of time, the very complicated questions to be settled, and the danger that there may not be agreement among the Cabinet committee who have the responsibility of bringing their problems to the President for his action, in which case I am not sure what the procedure would be to get the varying points of view in order."

Doctor Parran pointed out that this body is an interim group, if one assumes that a National Science Foundation will be passed, containing a provision for an interdepartmental committee on research under the chairmanship of the administrative officer of the National Science Foundation.

Miss Switzer continued:

"If the Science Foundation Bill does not pass, I believe this committee will recommend some mechanism to try to keep up to date the information that has been collected and to provide some medium of coordination, particularly of grants."

IV. RESEARCH GRANTS PROGRAM

A. Interim Action Reports

1. Financial Report

The Surgeon General called upon Doctor C. J. Van Slyke, Chief, Research Grants Division, for a summary of the present status of the grant-in-aid program, as follows:

At the December 6-7, 1946, meeting of the National Advisory Health Council, 135 grants were approved in the amount of \$1,219,747.40, necessitating the request of a deficiency budget, which has been forwarded by the Agency to the Bureau of the Budget and approved in the amount of \$1,074,000. The available funds for next fiscal year are those which are approved by the Bureau of the Budget and are in the President's Message in the amount of \$5,000,000.

With reference to the recommendations of the Tuberculosis Study Section, attention was invited to the fact that since the program has been planned as a unit, approval or disapproval would be a matter of accepting the program as a whole or not at all. The amount of money contemplated during the next year for research in tuberculosis would amount to approximately 3 million dollars, divided as follows: \$1,250,000 for the purchase of streptomycin or other antibiotics which may be introduced; \$500,000 for necessary increase in expenses of hospitalized patients on a research rather than on a clinical care basis; one million dollars for corollary laboratory studies, and \$250,000 for operation of central coordination of the program. Such program was agreed to be possible only in the event supplemental funds are appropriated in addition to the 5 million dollar budget previously mentioned.

Doctor Van Slyke advised that there is adequate liaison between the U.S. Public Health Service and other Government agencies to determine that Federal funds are not used for unnecessary duplication of research efforts. Private foundations have also given wholehearted cooperation in coordination of data with respect to research activities.

2. New Appointees to Study Sections, listed in Appendix I to the Agenda, received Council approval.

3. Establishment of Special Subsections in the Surgery, Malaria, and Tuberculosis Study Sections (List of membership attached to the Agenda as Appendix II) were presented to and approved by the Council.

4. Rotation of Study Section Members has been arranged in accordance with policy agreed upon at the December 6-7 Council meeting, and attention was invited to Doctor Dyer's memorandum of February 14, 1947 (Appendix III of the Agenda), presenting this policy to the Study Sections. Terms of appointment for Section members, determined by lot, are contained in Appendix IV of the Agenda.

5. Liaison between Study Sections and Research Grants Division

Doctor Van Slyke introduced to the Council Doctor John D. Porterfield, and Doctor David E. Price, of the Research Grants Division, each of whom has been assigned one-half of the Special Study Sections, with the idea of giving an increased amount of service to the Sections and providing effective liaison between the Study Sections and the Research Grants Division.

6. Council-Study Section Membership

After discussion of the feasibility of Council members also serving on Study Sections, it was the general feeling that members of the Council should not be requested to assume the additional responsibility of Section membership.

7. Seminars and Symposia of Study Sections

Doctor Price distributed copies of the program for the Symposium on Antibiotics, sponsored by the Antibiotics Study Section January 31-February 1, at which 37 papers were read and 3 presented by title. (Copies of these papers are available upon request.) The Syphilis Study Section is preparing a symposium of similar nature on April 17, at which time the most recent information on the nation-wide study of penicillin in the treatment of syphilis will be presented, and a number of investigators will present papers on fundamental studies on the biology of syphilis.

Doctor Porterfield advised that many of the Study Sections not wanting to hold meetings on such a large scale have held seminars, such as a Seminar on Folic Acid sponsored by the Hematology group, a seminar on Fluorine in Drinking Water, to be sponsored by the Dental Section, and a Seminar on Anticoagulants, sponsored by the Cardiovascular group.

8. Proposed Amendments to Public Law 410

Doctor Van Slyke advised that the Surgeon General has been forwarded a recommendation for the establishment of a fifteenth member of the National Advisory Health Council, to provide representation to the Veterans Administration.

The second proposed amendment to Public Law 410 requests authority to grant equipment and supplies, as well as funds, to applicants for grants in aid. At the present time, the U.S. Public Health Service is empowered to retain ownership of expensive items of equipment requested in grants, and an arrangement for their reallocation would represent a great saving to the Government.

9. Present Status of Patent Policy

Doctor Price advised that a statement of policy, embodying the general opinion expressed in Council, has been forwarded to General Counsel of the Federal Security Agency for an opinion as to its legality. As yet, no opinion has been returned, due to the fact that the Department of Justice has been preparing an extensive analysis of patent policies within the numerous departments of the Government for a report to the President. It is believed that action taken by the President may definitely establish patent policy limitations. It was agreed that, for the time being, the governing policy of the U.S. Public Health Service will continue to be that expressed in the application blanks for grants in aid, advising that any question of patents will be referred to the Surgeon General.

B. Study Section Resolutions in Reference to Procedure

1. Establishment by the Tuberculosis Study Section of Sub-sections

Doctor Van Slyke stated that, in response to a recommendation from the Subcommittee on Interim Action of the National Advisory Health Council regarding the advisability of adding a critical pharmacologist and an immunologist to the Tuberculosis Study Section, the Section had recommended the formation of panels on pharmacology, immunology and bacteriology and suggested possible consultants. Due, however, to the rather insecure status of the research program in tuberculosis at the present time, the Council did not take any definite action in the matter.

2. Research of Purely Local Interest

Recommendation from the Pharmacology Study Section that "Problems of exclusively or predominantly local importance should be financed from local funds rather than from Federal appropriations" was presented to the National Advisory Health Council, which voted approval of the policy expressed.

3. Summer Salaries

The following resolution, from the Sanitation Study Section, was considered by the Council:

"Whereas the salary agreements of many teaching institutions with their staff members are on a nine months' basis, and

"Whereas it is a fully accepted and normal procedure for such staff members to accept vacation employment for remuneration, and

"Whereas research projects in some instances would be greatly enhanced by the summer contributions of university professors, and

"Whereas, if payment for such work under the Research Grants program is denied, the personnel concerned are likely to be unavailable and the progress of the project impeded,

"Therefore, it is the recommendation of the Sanitation Study Section that a faculty member should not be held ineligible to receive compensation while actively engaged on projects supported by research grants, during periods when he is not on the payroll of the educational institution concerned, and that the National Advisory Health Council be requested to consider the modification of its present policy in this regard."

After discussion, the Council voted not to deviate from policy established at the last meeting, prohibiting payment of summer salaries to personnel with university tenure.

4. Fellowships

The following resolution from the Cardiovascular Study Section was discussed:

- 11 -

"Whereas the acute shortage of properly trained research personnel is a serious handicap to many research projects conducted under grants in aid, for those being planned as well as for those underway, the Cardiovascular Study Section urges the National Advisory Health Council to consider possible means of expanding and intensifying the various research fellowship programs of the U.S. Public Health Service."

In considering the various phases of research fellowship programs, the Council voted not to award Public Health Service research fellowships to assistant residents in hospitals. (Such restriction was passed with the intent that house officers with their ordinary routine duties would not be eligible for these fellowships.)

It was the sense of the Council that, in so far as the Public Health Service is concerned, it would be permissible for a part-time research fellow financed by grant funds to use his research work to count toward an advanced degree, but that decision in this matter would be left to the university.

Doctor Dyer advised that if current estimates now pending are approved, the Public Health Service should be able to increase fellowships from approximately 80 to 115 or 120 for the coming year. In view of the additional training opportunities provided by the G. I. Bill of Rights for veterans, and in view of the current teaching shortage, the Council felt that this number would be equitable for the present, with the possibility of increase at a later date.

The Council also discussed the feasibility of lowering the requirements of USPHS fellowships to the Bachelor level, if sufficient funds are available and if, after further consideration of this matter by the Council at its next meeting, it seems administratively feasible. It was also agreed that the matter of the number of fellowships cannot be given consideration until the amount of funds available for the next year is determined.

IV. RESEARCH GRANTS PROGRAMC. Consideration of Applications for Grants in Aid1. Interim Action on Grants

Seven applications were circularized to the National Advisory Health Council and approved by mail vote following the meeting of December 6-7, 1946. The members of the Council formally approved these applications, identified as follows:

- RG 536 - Dr. J. Burns Amberson, Bellevue Hospital - \$4,360.
"Investigation of Therapeutic Properties of Streptomycin in Human Tuberculosis"
- RG 535 - Dr. C. Gene Woodruff, Maybury Sanatorium - \$3,200.
"Study of the Effect of Streptomycin on Tuberculosis"
- RG 537 - Dr. Walsh McDermott, Cornell University Medical College - \$4,970.
"Clinical and Laboratory Investigation of Antibacterial Therapy in Tuberculosis"
- RG 538 - Dr. Karl H. Pfuetze, Mineral Springs Sanatorium - \$4,182.50.
"Clinical Investigation of Streptomycin in Tuberculosis"
- RG-531 - Dr. Emil Bogen, Olive View Sanatorium - \$25,000.
"Streptomycin Assay and Sensitivity Tests"
- RG 542 - Dr. William Steenken, Jr., Research and Clinical Laboratory, Trudeau, New York - \$29,225.
"A Study of the Biologic Properties of the Tubercle Bacillus that are Resistant to Streptomycin"
- RG 543 - Dr. Guy P. Youmans, Northwestern University Medical School - \$25,500.
"Study of the Characteristics and Resistance to Streptomycin of Tubercle Bacilli"

539 -

D. Pending Applications

The Council agreed to use the same system of voting as had been established in the past:

1. Approved.
2. Disapproved.
3. Referred to Special Study Section.
4. Approved with designated modification.
5. Approved with authority given to Research Grants Division for administration of certain items in question.
6. Disapproved with advice given to applicant as to preparation of application for resubmission at a later date.

ANTIBIOTICS STUDY SECTION

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
154(C)	Univ. Michigan	John D. Adcock	Clinical and Experimental Studies on Chemotherapy of Infectious Diseases	\$10,000.
165(C)	Johns Hopkins Univ. Sch. Med.	E. K. Marshall, Jr.	Pharmacology of penicillins, Streptomycin and Other Antibiotics	10,900.
217 <u>1/</u>	Cornell Univ. Med. College	R. W. Bonsnes	To Study the Renal Clearance and Placental Transmission of the Pure Penicillins in Normal and Complicated Human Pregnancy	Action 3
380	Indiana Univ.	Wm. J. van Wagendonk	Isolation and Identification and Paramecin	Action 3
585	Univ. North Carolina	Richard H. Wiley	Synthesis of Penicillin-like Compounds	Action 2
633	Oklahoma A. & M. College	R. L. Emerson	Resistance of microorganisms to Antibiotic Substances	1,080.
634	Oklahoma A. & M. College	D. V. Benson	"Efficacy and Toxicity of Antibiotics in the Treatment of Fowl Cholera (Pasteurellosis) Fowl Tuberculosis, Pullorum, and Other Diseases, if Deemed Advisable"	Action 3
644	Univ. Virginia	Wm. R. Sandusky	Evaluation of Bacitracin in the Treatment and Prophylaxis of Experimental Clostridial Infections ('Gas Gangrene')	2,180.
654	Children's Hosp., Washington	Frederic G. Burke, Clarence Rice, J. Ogle Warfield, John A. Washington	Evaluation of Streptomycin in Diarrheas of Infancy and Childhood	Action 3

1/ The Council requested that this application be referred to the Physiology Study Section for review.

ANTIBIOTICS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
700	Bellevue Hosp.	Charles H. Nammack	Clinical Use of Bacitracin in Treatment of Systemic Infections	5,400.
744	Univ. Cincinnati Coll. Med.	W. A. Altemeier	Clinical evaluation of Bacitracin	8,400.
799	Univ. Cincinnati Coll. Med.	Morton Hamburger	Resistance of antibiotics by Bacteria in Patients Under Treatment	Action 3

BACTERIOLOGY STUDY SECTION

6(C)	Univ. Chicago	William Burrows	Immunity to Enteric Infection with Special Reference to Experimental Enteric Cholera in the Guinea Pig, and the Behavior and Function of Fecal Antibody	\$16,006.
8(C2) <u>1/</u>	Children's Hosp., Cincinnati	Merlin L. Cooper	Active Immunization Against Bacillary Dysentery	Action 5
24(C2)	Yale Univ. Sch. of Med.	Henry P. Treffers	An Immunochemical Investigation Directed Toward (a) Immunization Against Infections Caused by Gram-negative Bacteria, and (b) the Study of the Mechanisms of Resistance to Antibodies	13,446.
52(C)	Coll. Phys. & Surg., Columbia	Edgar G. Miller	Preparation and Clinical Trial of Tetanus Toxoid	5,832.

1/ The Bacteriology Study Section recommended approval contingent upon assurance that this project does not contemplate experimental exposure of children to dysentery; the Council concurred in this recommendation.

BACTERIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
55(C)	Univ. Kansas	Cora M. Downs	The Pathogenesis of Tularemia and the Antigenicity of Strains of Varying Virulence	\$4,240.
70(C)	Univ. Rochester Sch. Med. & Dentistry	Chas. M. Carpenter	Studies on Murine Leprosy	8,424.
80(C)	Univ. Minn.	W. Spink	Brucellosis	15,950.
135(C)	Univ. Colo. Med. Sch.	Richard Thompson	Study of Antibody Production in Corneal Connective Tissue	7,128.
136(C)	Univ. Chicago	O. H. Robertson	Studies on the Fundamental Nature of Airborne Infection and its Control	29,774.60
138(C)	Univ. Chicago	Stewart A. Koser	Variation in Vitamin Requirement of Bacteria as Affected by Environmental Changes	4,320.
166(C)	Univ. Wisc. Med. Sch.	D. Murray Angevine, C. Victor Seastone	Study of Bacterial Hypersensitivity	3,500.
338(R)	Harold J. Harris (Individual)		Clinical and Laboratory Research in Diagnosis and Treatment of Brucellosis	Action 2
342 <u>1/</u>	Univ. Oklahoma	F. R. Hunter	Effect of Bacteria on Cell Functions	4,000. (Action 4)
422 <u>2/</u>	Univ. Colo. Med. Sch.	Dumont Clark	Study of the Effect of Antibacterial Aerosols on the Bacterial Flora of the Upper Respiratory Mucous Membranes of Humans	Action 2

1/ Amount requested - \$8,295.

2/ It was the sense of the Council that this type of investigation is going on in practically every institution in the country and that the investigator is not likely to produce results of much value.

BACTERIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
424	Univ. Michigan	W. J. Nungester	Biochemical Aspects of Resistance to Pulmonary Infections	\$10,800.
475 <u>1/</u>	Am. Type Culture Collection	Ruth E. Gordon	(a) A taxonomic study of the Aerobic, Thermophilic, Sporeforming Bacteria (b) Preservation of Stock Cultures of Bacteria, Yeasts and Fungi under Sterile Mineral Oil	5,800. (Action 4)
490	Pres. & Fellows of Harvard Coll.	Cutting B. Favour	A Study of the Effect of Bacterial Substances on Lymphocytes with Special Reference to the Process of Lympholysis and Antibody Release	12,245.
519	Univ. Illinois	A. C. Ivy	Etiology of Ulcerative Colitis	Action 2
530	Univ. Maryland	Michael J. Pelczar	Nutritional Requirements of Bacteria in the Genus <u>Neisseria</u> Other than <u>Neisseria intracellularis</u> and <u>Neisseria gonorrhoeae</u>	1,500.
532	Univ. Michigan	Cyrus C. Sturgis	Histoplasmosis of Darling: Diagnostic Tests and Chemotherapeutic Studies	Action 2
572	Bowman Gray Sch. Med.	MacDonald Fulton	Enteric Pathogens Occurring in North Carolina	Action 2
580	Cornell Univ. Med. Coll.	James M. Neill	Immunological Studies on <u>Sporotrichum schenckii</u> and Other Fungi	4,800.

1/ The Bacteriology Study Section had recommended that the total sum be allocated for the study of item (a) in the title; the Council concurred in this recommendation.

BACTERIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
607	Univ. California	H. A. Barker	Utilization of Carbon Dioxide and the Synthesis of Fatty Acids by Bacteria	\$5,769.36
621 <u>1/</u>	Wayne Univ. Coll. Med.	Chas. W. Buggs	<u>In vitro</u> and <u>in vivo</u> Studies with Streptomycin	Action 3
643	Bowman Gray Sch. Med.	George T. Harrell	Study of the Factors Concerned in Resistance to Chemotherapy	4,000.
687 <u>2/</u>	Florida State Bd. Health Bureau of Laboratories	Albert V. Hardy	A Continuation of the Study of Acute Diarrheal Diseases with Particular Attention to the Epidemiology and Treatment of Salmonella Infections	Action 6
720 <u>3/</u>	State College of Wash.	C. M. Hamilton	Fate of Erysipelothrix Rhusiopathiae in Turkeys with Reference to its Spread to Humans	1,535.

-
- 1/ The Council requested that this application be referred to the Antibiotics Study Section for review.
 - 2/ It was the sense of the Council that Salmonella infection is not a particularly local problem and the investigator should be encouraged to resubmit his application indicating that the proposed investigations would not be strictly limited to one locality.
 - 3/ Information available to the Council indicates that the study of this organism is of importance from a public health standpoint.

BACTERIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
721 <u>1/</u>	State Coll. of Wash.	Ernest C. McCulloch	(a) Studies on the Incidence, Pathogenicity and Toxigenic Properties of the Staphylococci which are present in the Milk of Many Dairy Cows in the State of Washington. (b) Studies on the Relation Between Udder Staphylococci of Cows and Human Strains of Staphylococci	Action 3
752	Wash. State Coll.	Charles H. Drake	Immunological, pathological and therapeutic Study of Deep-seated Mycoses	\$2,195.
758 <u>2/</u>	Univ. Chicago	Clayton G. Loosli	Tuberculin, histoplasmin, Coccidioidin Sensitivity in Relation to Pulmonary Calcifications and/or Chronic Lung Disease	Action 3
760	Univ. Pennsylvania	Stuart Mudd	Investigation of Metabolic Mechanisms Underlying Chemotherapy	22,383.

BIOCHEMISTRY AND NUTRITION STUDY SECTION

53(R)	Univ. Colorado	Irving Goodman	Synthesis and Biochemical Study of Nucleic Acid Derivatives	2,700. <i>jr</i>
56(C)	Tulane Univ. Med. Sch.	Grace A. Goldsmith	The B Group of Vitamins in Human Nutrition	27,540. <i>jr</i>
91(C)	Duke Univ. Sch. Med.	Wm. A. Perlzweig	Metabolism of B Vitamins and Nutritional Deficiencies	5,775. <i>jr</i>

5,775.
jr
W. Mudd

- 1/ The Council requested that this application be reconsidered by the Bacteriology Study Section. The Council also expressed a desire to have amplification of the statement that the proposed problem could not properly be classified as research in bacteriology. It was stated that the Bureau of Animal Industry would have no funds to support such research but would consider this an important problem in bacteriology of public health.
- 2/ The Council requested that this application be referred to the Tuberculosis Study Section for review.

BIOCHEMISTRY AND NUTRITION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
93(C)	Univ. Wisconsin	Ovid O. Meyer	Study of Protein Chemistry in Lymph Node Diseases	\$7,000. ✓ <i>je</i>
104(C)	Duke Univ. Sch. Med.	Hans Neurath	A Study of the Characterization and Mode of Action of Proteolytic Enzymes, with Special Emphasis on Intracellular Proteinases	14,120. ✓ <i>je</i>
144(C)	Univ. Pittsburgh	E. M. Scott	Kinetics of Metabolic Enzymes	7,020. ✓ <i>je</i>
156(C)	Coll. Phys. & Surg., Columbia	Erwin Chargaff	Chemical and Biological Properties of Nucleic Acids and Nucleoproteins	8,883. ✓ <i>je</i>
171(C)	Univ. California	M. S. Dunn	Requirements of Microorganisms for Amino Acids and other Nutrients and the Determination of Amino Acids in Plant and Animal Products	9,897.75 ✓ <i>je</i>
181(C)	Univ. Chicago	Lillian Eichelberger	Continuation of the study of "The Distribution of Salt and Water between Blood and Tissues of the Body Following Intravenous Injections of Salt Solution of Various Composition and Tonicity	Action 2
199(C)	Univ. Southern California	Harry J. Deuel, John W. Mehl, Richard M. Johnson	The Use of Dietary Tocopherol and Tocopherol Derivatives in the Treatment of Muscular Dystrophy and Biochemical Defects in Muscular Dystrophy	Action 2
205(S)	<u>1/</u> New York Univ. Coll. Med.	Severo Ochoa	Enzymic Mechanisms of Biological Carbon Dioxide Assimilation	2,000. (Action 4) <i>done with 205</i>

1/ Amount requested - \$25,350.

BIOCHEMISTRY AND NUTRITION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
208(C) <u>1/</u>	Louisiana State University	Ralph W. Brauer	Effect of Liver Injury Upon Liver and Plasma Proteins	\$5,000. (Action 4) ✓ ✓ je
260 <u>2/</u>	Northwestern Univ. Dental School	J. R. Thompson	Effect of Nutrition Deficiency on Growth and Development of the Skull, Studied by Cephalometric Roentgenograms	Action 3
421 <u>3/</u>	Trustees of Univ. Penn.	Paul Gyorgy	Physiology and Pathology of the Newborn, with Special Reference to Intestinal Synthesis of Vitamin Antibiotics and to the Function of the "Adrenal Cortex"	10,800. (Action 4) ✓ je
467 <u>4/</u>	Emory Univ.	George T. Lewis	Metabolic Transformations of Certain of the Vitamins	5,000. (Action 4) ✓ je
471	Univ. Colo.	M. Pijoan	Synthesis of Vitamin C by Mammalian Tissues	Action 2
473	N.Y. Univ. Coll. Med.	Anthony A. Albanese	Amino Acid Metabolism in Diseases of Infancy and Childhood and the Amino Acid Requirements of the Growing Child	Action 2

1/ Amount requested - \$5,410. - Amount approved \$5,000. for one year only.

2/ The Council requested that this application be referred back to the Dental Study Section.

3/ Amount requested - \$21,600.

4/ Amount requested - \$10,000.

BIOCHEMISTRY AND NUTRITION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
480	Univ. Calif.	Max Kleiber, Herbert Young	Formation of Milk Sugar in the Mammary Gland	Action 2
514	Univ. Md. Sch. Med.	E. G. Schmidt	Study of the Plasma Concentration of Individual Amino Acids in Healthy and in Diseased Individuals	3,000. ✓ jr
515	Tufts Coll. Med. Sch.	David Rapport	Investigation of the Oxidation of Aceto- acetic Acid by the Brain	2,500. ✓ jr
566	Coll. Phys. & Surg.	Heinrich Waelsch	Metabolic Function of the Higher Fatty Alde- hydes	3,780. ✓ jr
578	Univ. Hawaii	Carey D. Miller	Longevity Studies with Three Groups of Albino Rats Fed (1) An American Diet, (2) An Oriental Diet, and (3) An Hawaiian Diet, in Semi-Tropical Hawaii	Action 2
587	Elgin State Hosp.	M. K. Herwitt	Studies of Riboflavin Deficiency	3,000. ✓ jr ✓
597	Columbia Univ.	Chas. G. King	Biochemical Study of Vitamin C	14,688. ✓ jr
617 <u>1</u> /	Territorial Dept. of Health, Juneau, Alaska	O. Earl Albrecht	Nutritional Investi- gation of Certain Eye Conditions Prevalent Among the Natives of Alaska and to do as Complete a Study as Possible of the Nutri- tional Status of the Population in the Villages Selected for Study as Well as an Investigation of the Food Habits and Food Supply and Cost	10,870. ✓ jr

1/ Subject to availability of funds.

BIOCHEMISTRY AND NUTRITION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
619	Mt. Sinai Hosp.	Harry Sobotka	Thermophile Proteins and Enzymes	\$7,900. ✓
624	Univ. Rochester Sch. Med.	Elmer H. Stotz	Mechanism of Biological Fat Synthesis and Oxidation	8,640. ✓
631 1/	George Washington University	Joseph H. Roe	Studies in Carbohydrate Metabolism	4,725. (Action 4) ✓
649 2/	Trustees of Univ. Penn.	Otto Meyerhoff	Turnover of Adenosine-triphosphate in Cell Metabolism	6,480. ✓
659	Overly Biochemical Research Fdn.	Arthur L. Schade	Studies on Growth With the Aid of Cobalt	Action 2
685 3/	Agr. & Mech. Coll. Texas	B. S. Schweigert	Nutritional Requirements of the Cotton Rat (Sigmondon Hispidus Hispidus)	1,850. (Action 4) ✓
695	Mass. Gen. Hosp.	Nathan B. Talbot	Studies on Parenteral Nutrition: V. Effect of Intracellular Electrolyte Depletion on Hepatic and Muscle Glycogenesis	7,953. ✓
697	Univ. Maryland	Mary S. Shorb	Unidentified Growth Factors for <u>Lactobacillus lactis</u> Dorner and Their Relation to Unidentified Growth Factors for Other Bacteria, the Chick and Other Animals	5,400. ✓

- 1/ The Council concurred in the recommendation of the Biochemistry and Nutrition Study Section that the investigator limit his program to studies on pentose metabolism.
- 2/ The Council recommended approval of this application in the amount requested because they do not believe that the payment of the investigator's salary is contrary to policy.
- 3/ An item of \$150. has been requested for attendance at scientific meetings. As this is contrary to the policy of the Council, this item has been deleted from the budget.

BIOCHEMISTRY AND NUTRITION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
698 1/	Scripps Metabolic Clinic	Grant R. Bartlett	Study of Fluoracetic Acid as a Structural Analog Inhibitor for the Study of Acetate Metabolism	5,000. (Action 4) <i>js</i>
738	Univ. Wisc.	Esmond E. Snell	Study of Nutritive Requirements of Microorganisms	6,000. <i>js</i>
775	Oklahoma A. & M. Coll.	Otto M. Smith	A Direct, Quick Method of Determining Sodium in Water	Action 2

CARDIOVASCULAR STUDY SECTION

57(C)	N.Y. Univ. Coll. Med.	J. Murray Steele	The Role of Lipid Metabolism in the Development of Arteriosclerosis	13,824. <i>js</i>
59(C) 2/	Wash. Univ. Sch. Med.	Henry A. Schroeder	Arterial Hypertension	54,000. (Action 4) <i>js</i>
103(C)	Univ. Minn.	Benjamin J. Clawson	Study of Relationships Between Acute Rheumatic Endocarditis and Subacute Bacterial Endocarditis	2,646. <i>js</i>
152(C) 3/	Univ. Mich. Med. Sch.	Max M. Peet	Continuation and Extension of Previous Studies on Arterial Hypertension with Specific Reference to the Results Obtained from Supradiaphragmatic Splanchnicectomy	30,000. (Action 4) <i>js</i>
170(C)	Univ. Ill. Coll. Med.	Harold C. Wiggers, Raymond C. Ingraham	Study of the Cardiac Output and Total Peripheral Resistance to Flow under Various Physiological and Pathophysiological Conditions	6,300. <i>js</i>

1/ Amount requested - \$10,451. - Amount approved \$5,000. for one year only.

2/ Amount requested - \$73,180.80

3/ Amount requested - \$41,000.

CARDIOVASCULAR STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
179(C) <u>1/</u>	St. Louis Univ. Sch. Med.	Alrick B. Hertzman	Studies on the Peripheral Circulation in Health and Disease, Particularly with the Photoelectric Plethysmograph	20,000. (Action 4) ✓ jr
306(S)	Vanderbilt Univ. Sch. Med.	George R. Meneely	An Experimental Study of Myocardial Infarction	8,677.80 ✓ jr
325(S)	Penn. Hosp.	Joseph B. Vander Veer	Study of Dicumarol in Coronary Thrombosis	2,592. ✓ jr Very much
411(R)	Electronic Industries	Frank Knowlton	Artificial Respiration Apparatus	Action 2
462 <u>2/</u>	Univ. Colo. Sch. Med.	R. F. Bell, E. A. Schmidt	Standardization of Electrocardiograph for Quantitative Analysis	Action 6
529	Univ. Wash. Med. Sch.	D. M. Greene	Relation of Adrenal Cortical Hormones to Cardiovascular-renal Homeostasis	Action 2
663 <u>3/</u>	Coll. Phys. & Surg., Columbia	W. W. Palmer, R. F. Loeb, David Seegal	Relations Between Lipid Metabolism and Arteriosclerosis	25,000. (Action 4) ✓ jr
692	Univ. South. Calif.	Douglas R. Drury	Mechanism of Production of Chronic Experimental Hypertension	9,000. ✓ jr
699	Duke Univ. Sch. Med.	Walter Kempner	Effect of Diet on Protein and Fat Metabolism of Patients with Kidney Disease and Hypertensive Vascular Disease	Action 2
716	Emory Univ. Sch. Med.	Arthur J. Merrill	Renal Studies in Heart Failure and Glomerulonephritis	10,800. ✓ jr

1/ Amount requested - \$27,789.

2/ The Council recommended that this investigator be encouraged to resubmit his application defined in terms of a research project.

3/ Amount requested - \$50,155.20.

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Requested</u>
734	N.Y. Univ. Coll. Med.	Charles E. Kossmann	Protein Metabolism in Congestive Heart Failure	Action 2
780	Cleveland Clinic Fdn.	Irvine H. Page	Arteriosclerosis	Action 2
812 <u>1/</u>	Johns Hopkins Univ. Sch. Med.	Russell H. Morgan	Angiocardiograph and Electrokymograph Project	Action 5 <i>jr</i>
<u>DENTAL STUDY SECTION</u>				
83(C) <u>2/</u>	Coll. Phys. & Surg., Columbia	Theodore Rosebury	Experimental Study of Anaerobic Mixed Infec- tions, with Special Reference to the Con- tributory Pathogenicity of Component Micro- organisms	Action 5 <i>jr</i>
131(C)	Ind. Univ. Coll. Dentistry	Grant Van Huysen	Mechanism of Enamel Solubility and Means for its Reduction by Fluorides and Other Reagents	\$4,824.36 <i>jr</i>
133(C)	Univ. Ind. Sch. Dent.	Ralph W. Phillips	Hardness Changes in Tooth Enamel as Affected by Fluorides	2,916. <i>jr</i>
142 <u>3/</u>	Univ. Chicago Clinics	J. R. Blayney	Fluorine and Dental Caries	Action 3
259	Northwestern Univ. Dent. Sch.	L. S. Fosdick	Synthesis & Testing of Compounds which may be Active Enzyme Inhibitors Useful in Controlling Dental Caries	8,250. <i>jr</i>

- 1/ The Council concurred in the recommendation of the Cardiovascular Study Section that \$2500. for Dr. Vincent P. Graham's salary be deleted, and requested the Research Grants Division administratively to determine the need for so much expensive equipment.
- 2/ The Council recommended that, if possible, \$745. for permanent equipment be deleted; if, however, satisfactory justification is received, the item will be reinstated.
- 3/ The Council requested that this application be reviewed by the Public Health Methods Study Section.

DENTAL STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
260	Northwestern Univ. Dental School	J. R. Thompson, E. S. Fosdick	Effect of Nutritional Deficiency on Growth & Development of the Skull, Studied by Cephalometric Roentgenograms	Action 3
414	Coll. Phys. & Surg., San Francisco	Henry M. Leicester	Investigation of the Effect of Iodoacetate on Tooth Structure and Caries	\$2,500. ✓ jr
415	Meharry Med. Coll.	Harold D. West	Studies on Effects of Protein Deficiency on Growth and Development of Oral Structures in the Rat	5,340. ✓ jr
416	Coll. Phys. & Surg., San Francisco	Henry J. Ralston	Physiological and Pharmacological Studies on Certain Anesthetic & Autonomic Drugs, & Their Relation to Motor Nerve Function	7,800. ✓ jr
533	Univ. Ill.	Robert G. Kesel	Ammonia Production in Oral Cavity and its Influence on Dental Caries Activity	action 3 72,000.
595	Univ. Texas Sch. Dent.	Floyd A. Payton	(1) Vibration of Dental Handpieces (2) Gnatho- dynamic Studies of Dental Restorations & Supporting Tissues	3,996. ✓ jr
612 <u>1/</u>	N.Y. Univ.	Matthew D. Lavin	Continuation of Prelim- inary Research...on the Application of Dental Penicillin Administra- tion and Therapy in Oral Pathosis	Action 3

1/ The Council requested that the Dental Study Section obtain advice regarding the antibiotic aspects of this application.

DENTAL STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
626 <u>1/</u>	Univ. Oregon Dental School	M. L. Snyder, M. M. Phatak	Study of Relationship of Protein and Carbohydrate Enzymatic Degradation in the Mouth by Bacterial Action to Dental Caries	Action 3
669	Pres. & Fellows Harvard Coll.	James H. Shaw	Relation of Post-Eruptive Calcium and Phosphorus Deficiencies to the Progress of Carious Lesions in the Cotton Rat	\$2,160. ✓
670	Pres. & Fellows Harvard College	Reidar Fauske Sognaes	Dental Paleopathology	Action 3
702	Univ. Ill.	Allan G. Brodie	Cephalometric X-Ray Study of Growth of Human Head from 8th to 15th Year	3,500. ✓
801 <u>2/</u>	Univ. Calif.	Hermann Becks, K. F. Myer, W. M. Hammon W. L. Halverson	Studies of Fluorine Content of California Water Supplies; Epidemiological Dental Aspects	Action 2

GERONTOLOGY STUDY SECTION

122(C) <u>3/</u>	Univ. Minn.	Ancel Keys	Relation of Human Caloric Balance & Activity Habitus to Cardiovascular System & Its Tendency to Degenerative Changes as a Problem in Geriatrics	Action 3 ✓ <i>(ap by mail note)</i>
362(S)	Coll. Phys. & Surg, Columbia	Henry S. Simms	Study of the Process of Aging	10,850. ✓

- 1/ The Council requested that this application be referred back to the Dental Study Section to obtain advice from Biochemistry and Nutrition Study Section.
- 2/ Disapproval of this application was based on the fact that the research proposed is definitely a state responsibility and could not applied generally.
- 3/ The Council requested that this application be sent to the Cardiovascular Study Section for consideration.

GERONTOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
377	Univ. Minn.	Joseph T. Young, Maurice B. Visscher	Physiological Studies of Aging in Relation to Diet and to Susceptibility to Adverse Environmental Factors	\$19,710. ✓ jr
584	N.Y. State Coll. Agr. at Cornell	Clive McCay H. S. Liddell	Research upon Aging	34,247. ✓ jr
668	Memorial Fdn. for Neuro-endocrine Research	Roy G. Hoskins	Nutritional therapy in Senescent Debility	Action 3
705	Wash. Univ. Sch. Med.	Mildred Trotter	Age Changes in Hair	Action 2
728 1/	Faculty of Med. Univ. of Montreal	Hans Selye	Role of General Adaptation Syndrome in Process of Aging	Action 5 ✓ jr
736	Worcester Fdn. for Experimental Biology	Gregory Pincus	Variations in Steroid Hormone Excretion with Age	10,844. ✓ jr
798 2/	Columbia Univ.	R. F. Loeb, G. A. Perera	Studies on Relation of Adrenal Cortex to Hypertensive Vascular Disease	Action 5 ✓ jr

1/ The Council requested the Research Grants Division to seek clarification of the following items:

- (1) \$750 for Doctor Dumont's salary
- (2) What is meant by sundry laboratory supplies?
- (3) Reclamation of expensive equipment through the Customs

2/ The Council concurred in the opinion of the Gerontology Study Section that a senior member of the Biochemistry Department be made responsible for the work of a junior staff member. It was also the sense of the Council that Columbia University should seek local support for hospital beds totalling \$7500. In case local support proves impossible, full justification for this request should be submitted.

HEMATOLOGY STUDY SECTION

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
25(C2)	Univ. Utah	M. M. Wintrobe	Pathogenesis of the Anemia Associated with Infections and Factors Concerned in Red Cell Formation	\$31,050. ✓
34(C)	Coll. Phys. & Surg., Columbia	Elvin A. Kabat	Purification, Standardization and Characterization of Blood Group Substances	10,368. ✓
40(C2)	Boston Univ.	W. C. Boyd	Preparation of 100 Per Cent Active Group A & B Substances to Serve as a Standard of Potency	4,050. ✓
50(C)	Tufts Coll. Med. Sch.	Wm. Dameshek	"The Mediterranean" Target-Oval Cell Anemias and Related Conditions Including Sickle Cell Disease	12,000. ✓
75(C)	Univ. Mich.	W. J. Nungester	Fundamental Mechanism Involved in Phagocytosis	10,854. ✓
96(C)	Univ. Wisc.	J. W. Williams	Fractionation of the Plasma Proteins	10,000. ✓
115(C)	Univ. Utah	Philip B. Price	Surgical Shock	8,100. ✓
134(C)	West. Res. Univ.	Arnold Welch	Biological Significance of Pteroylglutamic Acid; Study of Extrinsic and Anti-Pernicious Anemia Factors	15,552. ✓
135(C)	See Bacteriology Study Section			
176(C)	Wayne Univ.	Walter H. Seegers	Prothrombin & Thrombin; Isolation and Physical Chemical Characterization and Reaction of Prothrombin with Thromboplastin	14,015 ✓
178(C)	Marquette Univ. Sch. Med.	Armand J. Quick	Study the Coagulation Defect in Hemophilia	5,720. ✓

HEMATOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
257(S)	Calif. Inst. Technology	Dan H. Campbell, Carl G. Niemann, Linus Pauling	Researches on Chemistry of Blood	\$15,220. ✓ JZ
574 1/	Tufts Coll. Med. Sch.	Richard Wagner	Synthesis & Breakdown of Glycogen in White Blood Cells	Action 3
575	Univ. Wash. Med. Sch.	William F. Windle	Studies in Development of Blood & Relation to Erythroblastosis. Clinical Study of Incidence of Megaloblastic Anemia of Infancy and Its Most Common Cause. Treatment of Acute Leukemia with Urethane	Action 2
647	Univ. Arkansas Sch. Med.	Paul L. Day, John R. Totter, C. F. Shukers, S. T. W. Cull B. B. Wells	Studies on Biological Function of Pteroyl-glutamic Acid	14,256. ✓ JZ
691	Hektoen Inst. for Med. Res.	Steven O. Schwartz	Sickleemia; Question of Embolytic Process in Latent Forms	Action 3
707 2/	Wayne County Hosp. & Inf.	Darrell A. Campbell	Influences of Anti-coagulant Therapy on Burned Dog	Action 3
722	State Coll. of Wash.	R. W. Dougherty	Studies of Blood Clotting and Wound Healing Factors of Extracts of Lungs of Ruminants	Action 2
724	Univ. Utah	F. D. Gunn	Morphologic Changes in Rabbit Lymph Node Cytology During Antibody Formation	2,398.20 ✓ JZ

1/ The Council requested that this application be sent to the Biochemistry and Nutrition Study Section for review.

2/ The Council concurred in the recommendation of the Hematology Study Section that this application be referred to the Surgery Study Section.

HEMATOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
747 <u>1/</u>	Marquette Univ. Sch. Med.	John S. Hirschboeck	Relationship Between Oxygen Tension of the Sternal Marrow and Erythropoiesis in Anoxenic States	Action 2
771	Univ. Ill.	R. R. Keeton, W. H. Cole	Electrophoretic Studies of Blood Proteins in Convalescent Patients	Action 3

MALARIA STUDY SECTION

10(C2)	Pres. & Fellows Harvard Coll.	Q. M. Geiman	Biological Nature of Malarial Parasites	30,996.
47(S)	Christ Hosp. Inst. Med. Res., Cincinnati	L. H. Schmidt	Study of Chemothera- peutic Properties of Antimalarial Drugs in Infections with <u>P.</u> <u>cynomolgi</u>	8,000.
47(C)	Christ Hosp. Inst. Med. Res., Cincinnati	L. H. Schmidt	Study of Chemothera- peutic Properties of Antimalarial Drugs in Infections with <u>P.</u> <u>cynomolgi</u>	46,000.
67(C)	Marquette Univ.	Harry Beckman	Survival of Malaria Sporozoites in Blood of Nonsusceptible Species	5,500.
139(C)	Univ. Chicago	Clay G. Huff	Research on Life-Cycles of Malarial Parasites as Related to Immunity & Genetics of Host and to Chemotherapy	12,614.
147(C)	Univ. Virginia	Robert E. Lutz	Synthesis of Anti- malarials	11,988.
161(C)	Univ. Notre Dame	K. N. Campbell	Synthesis of Potential Antimalarials	5,000.

1/ It was the sense of the Council that the application, as outlined, presents a very naive approach to the problem to be studied and would not be conducive to informative results.

MALARIA STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
183(C)	Univ. Tenn. Coll. Med.	T. S. Hill, R. L. Laird, R. R. Overman	Study of Alterations in the Physiology of the Host and of the Biology of the Infecting Agent in Malaria	Action 3
191(C)	Univ. Maryland	Nathan L. Drake	Synthesis of Potential Antimalarial Drugs	\$19,440.
195(C)	<u>1/</u> Columbia Univ.	R. C. Elderfield	Synthesis & Analysis of New Antimalarial Drugs	Action 5
196(C)	Univ. Texas Med. Branch	Wendell Gingrich	Chemotherapy of Avian Malaria	11,000.
198(C)	Univ. Chicago	L. T. Coggeshall, A. S. Alving	Studies on Immunity of <u>Vivax</u> Malaria, Mechanism of Drug Action & Clinical Testing of Potential Antimalarial Agents	52,454.33
209(C)	Calif. Inst. Tech.	J. B. Koepfli	Synthesis of Potential Antimalarials	5,940.
605	Iowa State Coll.	Elery R. Becker	Screening Tests on Drugs for Antimalarial Action	5,000.
678	Northwestern University	Byron Riegel R. H. Baker	Preparation of Potential Antimalarials	11,000.

METABOLISM AND ENDOCRINOLOGY STUDY SECTION

97(C)	<u>2/</u> Univ. Tenn. Med. Sch.	T. S. Hill, P. R. Overman, Hudson Jost	To Determine the Causal Factors and Pathological Physiology of Menstrual Psychoses and Pre-menstrual Tensional States, for the Purpose of Formulating More Rational Methods of Therapy	7,905.60 (Action 5)
-------	------------------------------------	--	--	------------------------

1/ Approval was based on administrative adjustment of revised budget.

2/ The Council concurred in the recommendation of the Metabolism and Endocrinology Study Section that this application be approved in the amount stated to cover the item of personnel being required for salt and water investigations. Amount requested - \$14,925.60.

METABOLISM AND ENDOCRINOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
396 <u>1/</u>	Univ. Oklahoma Sch. Med.	Arthur A. Hellbaum	Pituitary-gonadal inter-relationships	Action 3
404(R)	May Inst. Med. Res. of the Jewish Hosp., Cincinnati	I. Arthur Mirsky	The Quantitative Relation Between Insulin Administration and Insulin Excretion	Action 2
432	Univ. Chicago	Henry T. Ricketts	Degenerative Complications of Diabetes Mellitus	15,562.80 <i>ju</i>
434	May Inst. Med. Res. of the Jewish Hosp., Cincinnati	I. Arthur Mirsky	Role of Intracellular Proteinases in the Etiology of Diabetes Mellitus	18,522. <i>ju</i>
440	Med. Coll. of Alabama	Robert S. Teague	Metabolism of Synthetic Estrogens	5,000. <i>ju</i>
453	Coll. Med. State Univ. Iowa	Samuel B. Barker	Changes in Protein-bound Iodine in Relation to Thyroid Function	3,240. <i>ju</i>
518	Univ. Ill.	A. C. Ivy	Isolation of Cholecystokin	6,480. <i>ju</i>
528	N.Y. Univ. Coll. Med.	Elaine P. Ralli	Study of Factors Effecting Water Balance and Ascites in Patients with Liver Disease	11,286. <i>ju</i>
550	Toxicology & Res. Laboratory, Reno	Edward L. Randall	Determination of Pregnancy by Chemical Tests	Action 2
588	Univ. Wash. Sch. Med.	Lester J. Palmer, Joseph H. Crampton, Clarence D. Davis, James M. Dille	Evaluation of Substitutional Sex Hormone During Pregnancy in the Diabetic	7,020. <i>ju</i>
599 <u>2/</u>	Univ. Mich.	Jerome W. Conn	Significance of the Composition of Thermal Sweat as an Index of Adrenal Cortical Activity in Various Clinical Disorders	11,700. <i>ju</i>

1/ Deferral is recommended pending resubmission in a more precise and definitive manner.

2/ Approved for one year only.

METABOLISM AND ENDOCRINOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
600	Tufts Med. Sch.	E. B. Astwood	Causes of Non-toxic Goiter	\$12,600. ✓
601	Univ. Mich.	Jerome W. Conn	Studies Upon the Physiological Mechanisms Which Activate and Depress Function of the Pancreatic Islets of Langerhans	18,400. ✓
629 <u>1/</u>	N.Y. Univ. Coll. Med.	David P. Earle, Jr.	Effect of Insulin and Other Factors on Re-absorption of Glucose by Renal Tubules	8,316. ✓
636	Okla. A. & M. Coll.	C. P. Kraatz	Optimum Dosage for Increased Litter Size Following Brief Experimental Hyperthyroidism in White Female Rats	Action 2
638	Univ. Md.	Mary Juhn	Action of Thiouracil Administration on Spur Decalcification and the Effects of Vitamin and Hormone Administration Upon the Establishment and Course of this Condition	3,780. ✓
648	Scripps Metabolic Clinic	Arne N. Wick	Fractionation, Purification and Identification of the Adrenal Cortical "steroids" which Occur in Human Urine	6,505. ✓
665	N.Y. Univ. Coll. Med.	Isidor Greenwald	Studies on the Relation of Iodine to the Function of the Thyroid	7,938. ✓
672 <u>2/</u>	Phila. Gen. Hosp.	Edward S. Dillon	Cerebral Metabolism in Diabetic Acidosis	18,252. (Action 4) ✓
682	N.Y. Univ. Coll. Med.	Richard C. deBodo	Relation of the Anterior Pituitary to Protein Metabolism	7,209. ✓

1/ Amount requested - \$8,424.00

2/ Amount requested - \$21,006.00

METABOLISM AND ENDOCRINOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
769	N.E. Deaconess Hosp.	Priscilla White	Prevention of Fetal Wastage Due to Hormonal Imbalance in Diabetic Pregnancies	\$5,800. ✓ jr
797	Jeff. Med. Coll.	Abraham Cantarow, Romano H. de Meio	Nature of Enzyme Mechanism Involved in (a) Conjugation of Phenols and (b) Inactivation of Estrogens	6,500. ✓ jr
808	Univ. Calif.	Boris Kirchesky	Steroid Hormone Fractions in Normal and Pathologic Urines	9,039 Deferred
<u>PATHOLOGY STUDY SECTION</u>				
60(R) 1/	Wash. Univ.	John H. Van Dyke	Environmental Factors Responsible for Abnormal Embryonic Development in Mammals, with Particular Reference to Man	3,240. (Action 4) ✓ Change made
120(C)	Regents of Univ. Minn.	A. T. Rasmussen	Study of the Sclerotic Nerve Cell	10,199.52 ✓ jr
146(C) 2/	Northwestern Univ.	Edith B. Farnsworth	Renal Factors Operating in the Production of Edema of Cardiac and of Other Origin	Action 5 ✓ Change made
397	Univ. Okla. Sch. Med.	John W. Barnard	Regeneration in the Central Nervous System	2,438.64 ✓ Change made
445	Huntington Med. Lab.	George S. Zuccala	Asthma	Action 2
470	Tulane Univ.	James B. Arey	Causes of Death and Nature of Disease Processes in the Fetal and Neonatal Period	5,007.90 ✓ jr

1/ Amount requested - \$10,800.

2/ The Council requested that information be sought regarding the possibility of local support of hospital beds.

PATHOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
525 <u>1/</u>	Univ. Penn.	Herbert L. Ratcliffe	Influence of Diets of Known Composition Upon the Course of Standardized Air-borne Tuberculosis in Mammals and Birds	Action 6
552	Med. Coll. S. Carolina	A. M. Lassek	Comprehensive Study of Degenerative Reaction in Motor Neurons in Cases of Voluntary Motor Paralysis in Man	Action 2
603	Univ. North Carolina	Wesley Critiz George	Factors Influencing the Metabolism and Well Being of Connective Tissues with Special Reference to their Significance in Maintaining Physiological Efficiency of the Blood Vessels	Action 2
651	Long Island Coll. Med.	Dorothy Loomis	Investigation of the Nature of the Changes in the Cardiovascular System Following Renal Infarction.	3,500. ✓ jr
652 <u>2/</u>	Long Island Coll. Med.	Peter Gruenwald	Pathology & Causes of Death During Fetal and Neonatal Periods, with Special Reference to Fetal Diseases and Malformations, and their Mutual Relations	Action 5 ✓ jr
660 <u>3/</u>	Univ. Louisville	James B. Rogers	Cause, Physiological Abnormalities and the Treatment of a Toxemia of Pregnancy in the Guinea Pig	Action 5 ✓ jr

- 1/ The Council concurred in the recommendation of the Pathology Study Section that this application should be resubmitted restricting the problem to definitely circumscribed experiments.
- 2/ The Council requested the Research Grants Division to determine whether the services of a full-time secretary are required.
- 3/ The Council requested the Research Grants Division to determine the need for routine laboratory equipment.

PATHOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
662	Mass. Gen. Hosp.	Benjamin Castleman	Measurement of Arteriolar Changes in Muscle of 500 Hypertensive Patients in Order to (a) Correlate These Changes with Those in Renal Biopsies, (b) Assess the Value of Muscle Biopsies in Predicting the Outcome of Sympathectomy for Hypertension	Action 2
674	Mt. Sinai Hosp.	George Baehr	Role of Homeostasis in the Pathogenesis of Some Visceral Lesions	\$3,165. ✓
751	N.E. Deaconess Hosp.	Wm. A. Meissner	Surgical Pathology of Pulmonary Tuberculosis	Action 2
790	Geo. Washington University	W. Warren Sager	Effects of Trauma on Living Cells	Action 2
810	Children's Hosp. Society of Los Angeles	Ralph E. Knutti	Studies on Colloid (Plasma Protein and Gum Acacia) Exchange Between the Liver and the Blood	3,807. ✓
824 1/	Tulane University Sch. Med.	E. Carl Sensenig	Normal and Abnormal Development of the Human Vertebral Canal and its Contents	Action 5 ✓

PHARMACOLOGY STUDY SECTION

7(C2)	Cornell Univ. Med. Coll.	McKeen Cattell	Mechanism of Action of Digitalis Glycosides	17,080.
58(C)	Univ. Calif.	Hamilton H. Anderson	Study of Mechanisms in Analgesia and Anesthesia, with Special Reference to Drug #10820 (Amidone) and Pharmacologically Related Agents	12,852.

1/ The Council requested the Research Grants Division to determine the need for permanent equipment.

PHARMACOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
155(C)	Univ. Utah	Louis S. Goodman, James E. P. Toman	Studies on the Physiology and Therapy of Convulsive Disorders	32,994.
285(C)	Univ. Calif.	Hermann Sommer	Production & Chemical Studies of Paralytic Shellfish Poison (Mussel Poison - Gonyaulax Poison)	6,912.
351	Creighton Univ.	Alfred C. Anderson	Study of the Depression of Metabolism that Occurs in Barbiturate Intoxication and the Use of an Agent to Overcome it	4,065.
428	Univ. Calif.	Hermann Becks	Effect of Toxic Doses of Sodium Fluoride upon the Structures of the Thyroid and Pituitary Glands and Langerhans Islands	Action 3
458	Univ. Texas Med. Branch	Carl A. Nau	Effects of Repeated Exposure to Minimal Quantities of Arsine Gas	5,925.
492	Utah State Agr. Coll. & Exp. Station	R. H. Walker	Toxicity of DDT to Farm Animals and Poultry and Its Accumulation in Products Consumed by Man	14,000.
579	Ohio State Univ. Res. Fdn.	Melvin S. Newman	Proof of Structure of Morphine	2,100.
604	Calif. Inst. Tech.	Antonie van Harreveld	An Examination of the Influence of Drugs on the State of Polarisation of Central Nervous Elements	5,724.
611	South Dakota State Coll.	Alvin L. Moxon	Mechanism of Selenium Toxicity and Selenium-Arsenic Antagonism in Laboratory Animals	5,000.

PHARMACOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
696 <u>1/</u>	N. Y. Univ. Coll. Med.	Wm. S. Tillett	Use of Fibrinolysin (Streptokinase) of Hemolytic Streptococci in the Resolution and Eradication of Fibrinous Inflammatory Exudation and Blood Clot in Patients	Action 5
703	Hahnemann Med. Coll.	R. Beutner	New Biochemical Studies on the Etiology of Rheumatic Fever, Using Hyaluronidase	Action 2
711 <u>2/</u>	Mass. Gen. Hosp.	Howard I. Suby	Dissolution of Urinary Calculi	8,132.
725	State Hygienic Laboratory	I. H. Borts	Relation of Nitrate Nitrogen in Water to Cyanosis in Infants and Young Animals	Action 3
772	Univ. Conn.	Lawrence H. Amundsen Walter L. Kulp	Study of the Preparation of Copper Complex Salts of Aliphatic Diamines and Their Biological Effects, including Pene- tration by Iontophoresis into Animal Tissues	Action 2
814	Children's Hosp. Soc. of Los Angeles	Ralph E. Knutti	Mechanisms of Effects of High and Low Protein Diets on Sulfathiazole Toxicity, with Reference to the Nutritional Status	3,775.

1/ The Council requested the Research Grants Division to determine whether the nurse's salary might be obtained from other source.

2/ Approved for one year only.

PHYSIOLOGY STUDY SECTION

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
63(C) <u>1/</u>	Univ. Utah	M. M. Wintrobe	Progressive Muscular Dystrophy and Other Conditions which May Be Classified Under the Heading of Degenerative or Hereditary Disorders, or Both	100,000. (Action 4)
66(C)	Emory Univ. Sch. Med.	Paul B. Beeson	Pathogenesis of Fever	10,970.
99(C)	Univ. Tenn.	James G. Hughes	Electroencephalography in Newborn Infants	5,238.
101(C)	Univ. Tenn.	J. P. Quigley	Continuation of a Study of the Pressures Developed in the Human Stomach and Duodenum in Health and Disease	4,579.20
108(C)	Scripps Metabolic Clinic	Wm. G. Clark	Physiology and Pharmacodynamics of Capillary Permeability	4,600.
137(C) <u>2/</u>	Univ. Chicago	Franklin C. McLean Wm. Bloom	Studies on the Physiology of Bone	31,752. (Action 4)
159(C)	Univ. Mich.	John W. Bean	Oxygen Studies on Mammalian and Lower Forms	3,500.
337 <u>3/</u>	Coll. Phys. & Surg., Columbia	Chas. L. Fox, Jr.	Electrolyte Changes in Infectious Diseases	5,000. (Action 4)

1/ The Council concurred in the recommendation of the Physiology Study Section that this application be approved in the amount stated, although \$132,624. had been requested. The Council requested the Research Grants Division to seek clarification of the salary request for Virginia Davenport whose name appears in another application from the University of Utah. Dr. Karl Meyer was requested to visit this laboratory and report back to the Council.

2/ Amount requested - \$33,339.60

3/ Amount requested - \$9,952.20

PHYSIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
448 <u>1/</u>	State Univ. Iowa	Joseph H. Bodine	Study of the Normal Embryonic Cell	\$18,360. <i>ju</i> (Action 4)
520	Univ. Southern Calif.	Laurence E. Morehouse	Acute and Chronic Physiological Effects of Exercise on the Heart and Circulation	Action 2
549	Coll. Phys. & Surg., Columbia	Edwin G. Zabriskie	Function & Connections of the Subthalamic Nucleus Luys	6,210. <i>ju</i>
602 <u>2/</u>	Univ. Pittsburgh	Davenport Hooker	Morphological Studies on Human Prenatal Development of Fetal Behavior	4,158. <i>ju</i> (Action 4)
609	Univ. Louisville	Peter K. Knoefel	Physiology & Pharmacology of Human Gastric Function	8,000. <i>ju</i>
618	Albany Med. Coll.	A. V. Wolf	Renal Excretion of Water and Electrolytes After Administration of these Substances	5,000. <i>ju</i>
646	Albany Med. Coll.	John J. Farrell	Chronic Remote Excitation of Abdominal Sympathetic and Parasympathetic Nervous Systems	Action 3
653	Johns Hopkins Med. Sch.	Edward M. Walzl	Study of Response in the Cochlea and Higher Accoustic Centers to Sounds of Supra-Threshold Intensities	4,050. <i>ju</i>
655	Univ. Mich.	James L. Wilson	Existence of an Anaerobic Form of Metabolism in Premature and Newborn Infants	Action 3
693	Johns Hopkins Med. Sch.	Donald F. Proctor	Investigation of Certain Problems of Respiratory Physiology and Pathology	5,562. <i>ju</i>

1/ Amount requested - \$21,600.

2/ Amount requested - \$4,462.50

PHYSIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
694	Harvard Univ.	John H. Welsh	Fundamental Mode of Action of Acetylcholine	\$5,800. ✓ ju
735	Emory Univ. Sch. Med.	Robert Galambos	Electrophysiological Examination of the Eye and Ear, and Related Neurological Problems	9,000. ✓ Wright Adams
737	Kirksville Coll. of Osteopathy & Surgery	J. S. Denslow	Certain Physiological Characteristics and Electrical Properties of the Motor Unit in Striated Muscle	6,666. ✓ ju
742	Univ. Chicago	Wright Adams	Circulatory Response to Work in Health and Disease	Action 3
743	Univ. Mich.	L. H. Newburgh	Renal Tubule Work in Health and in Nephritis	Action 2
745 1/	Cornell Univ. Sch. Med.	Henry L. Barnett	Kidney Physiology in Premature and Full-term Newborn Infants	Action 5 ✓ ju
750 2/	Univ. Chicago	Stephen Rothman	Research on the Nature of Psoriasis	Action 5
761	Johns Hopkins Sch. Med.	Philip Bard, C. N. Woolsey	Correlated Studies in Comparative Physiology and Anatomy of Cerebral Cortex, Diencephalon and Cerebellum	14,580. ✓ ju
783	Geo. Washington Univ.	Ira R. Telford	Investigation of the Role of Neuro-vascular Mechanisms in the Etiology of Nutritional Muscular Dystrophy	Action 3

1/ The Council concurred in the recommendation of the Physiology Study Section that this application be approved with the understanding that if the fellowship, which has been requested for Doctor Hare, is received, the item for his salary will be deleted from the project budget.

2/ The Council requested that this application be sent to the Metabolism and Endocrinology Study Section for review.

PUBLIC HEALTH METHODS STUDY SECTION

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
322 <u>1/</u>	Am. Public Health Assn.	C. E. Winslow	Development of Performance Standards for Healthful Housing, and Formulation of Recommended Practices in Housing Design, Construction and Operation	Action 5
363	Mass. Dept. Pub. Health	Robert A. MacCready	Evaluation and Improvement of Certain Diagnostic Bacteriological Procedures	Action 2
364	Pres. & Fellows Harvard Coll.	Harold C. Stuart	Longitudinal Studies of Child Health and Development	Action 3
368	National Comm. on Material Health	Christopher Tietze	Development of Public Health Methods for Effectively Controlling Excessive Reproduction of a Rural Population in Puerto Rico	Action 3
388	Cornell Univ. Med. Coll.	Milton I. Levine	Study of Adolescent Children Inoculated with BCG in Early Infancy	5,775.
406 <u>2/</u>	Univ. Mich.	George R. Moore	Refinement of our Studies of Familial Factors in Dentofacial Disturbances; With Special Reference to Heredity in Etiology, Diagnosis, Treatment of Dentofacial Anomalies and a Further Understanding of Heredity in Growth and Development	Action 3

1/ The Council requested the Research Grants Division to determine the need for the printing and travel items listed in the project budget.

2/ The Council requested that this application be sent to the Dental Study Section for an opinion and then to go back to the Public Health Methods Study Section for reconsideration.

PUBLIC HEALTH METHODS STUDY GRANT PROGRAM (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
407	Univ. Mich. Sch. Dentistry	George R. Moore	Questionnaire Survey of Orthodontic Practice in the United States	Action 2
436	Univ. Texas	Marshall Brucer	Study of Statistical Standards of Laboratory Procedure in Clinical Medicine	Action 2
477	Coll. Phys. & Surg., Columbia	Katherine K. Merritt	Relation of Infectious Disease Occurring During Pregnancy to Maternal, Fetal and Infant Mortality and Morbidity	Action 2
546	Child Res. Council, Denver	Alfred H. Washburn	Study of the Significance of Individual Differences in Growing Human Beings	18,280.
610 1/	Natl. Organ. for Public Health Nursing	Margaret C. Arnstein, R.N.	Costs in Public Health Nursing	Action 2
613	Fellowship of Free Service	Sophia Carey	Final Detailed Plans to Win Congressional Aid for a Volunteer Service that can Remove the Root Causes of so Much Needless Suffering, Sickness, Mental Break-down, and Minimize Strikes, Juvenile Delinquency, and Corrupt Practices, Poverty	Action 2
723	Univ. Rochester Sch. Med. & Dentistry	Chas. M. Carpenter	Epidemiology of Gonococcal Infection	Action 2
753	Yale Sch. Med.	Wm. R. Willard	Study of Hemolytic Streptococcal Infections Among School Children	Action 2

1/ The Council requested the Research Grants Division to determine the need for the printing and travel items listed in the project budget.

PUBLIC HEALTH METHODS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
782 1/	Vanderbilt Univ. Sch. Med.	William W. Frye	Epidemiologic Study of Endemic Typhus in Humans and Rats in Nashville, Tennessee	Action 2

RADIOBIOLOGY STUDY SECTION

5(C2) 2/	Mass. Inst. Tech.	Robley D. Evans, John G. Gibson, George W. Thorn	Continued Study of Metabolism of Iron, Zinc, Calcium and Other Elements by Means of Radioactive Isotopes of Those Ele- ments	66,495. (Action 4) <i>jr</i>
100(C)	Univ. Colo. Sch. Med.	James J. Waring, Erving F. Geever	Investigation of Toxicity of Various Heavy Metals (Particularly Cadmium) and the Maximum Atmos- pheric and Biologic Con- centration Which Can Be Withstood Without Injury to the Individual	28,512. <i>jr</i>
143(C)	Univ. Pittsburgh	Peter Gray	Differentiation Antici- pation of Inorganic Ions in Embryonic Chicks	7,128. <i>jr</i>
149(C)	Carnegie Inst. of Washington	Berwind P. Kaufmann	Nature of the Changes Induced in the Living Cell by Irradiation	4,760. <i>jr</i>
153(C)	Univ. Wisc.	Edgar S. Gordon	Rate of Formation of Plasma Proteins in Normal Subjects and in Patients with Cirrhosis of the Liver and Nephrosis. Study of Amino Acid and Protein Metabolism in Diabetes Mellitus, Acute Injury and Liver Disease	9,000. <i>jr</i>
160(C)	Johns Hopkins Sch. Med.	Frederick W. Barnes, Jr.	Investigation of the Cellular Mechanisms of Immunity with Emphasis on the Physical-Chemical Aspects of Protein Synthesis	16,048.80 <i>jr</i>

1/ The Council recommended disapproval of this application on the grounds that it is purely a community project.

2/ Amount requested - \$84,569. - After this year Dr. Gibson's salary to be deleted.

RADIOBIOLOGY STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
661	Univ. Delaware	Harold Feeny	Thin Walled Geiger-Mueller Counters for Beta Active Materials	Action 2
671 <u>1/</u>	Meharry Med. Coll.	Harold D. West	Use of Radioactive Iron (Fe^{59}) in a Study of Iron Uptakes in Consecutive Admissions to Hubbard Hospitals	Action 3
673	Biological Lab., Cold Spring Harbor	Hugo Fricke	Kinetic Studies of Denaturation of x-rayed purified egg albumin	\$9,500. <i>JW</i>
778 <u>2/</u>	Univ. Rochester Sch. Med. & Dentistry	George H. Ramsey	Iodinated Organic Compounds as Contrast Media for Radiographic Diagnosis	Action 5 <i>JW</i>
809	Emory Univ. Sch. Med.	Daniel C. Elkin	Evaluation of the Circulation in Extremities through the Use of Radioactive Isotopes	12,500. <i>JW</i>

RODENT CONTROL STUDY SECTION

49(R)	Johns Hopkins Univ.	Curt P. Richter	Biology of Rat Poisons	11,880.
273(C)	Univ. Calif.	Tracy I. Storer	Continuation: Rodent Control-Current Bibliography and Abstracts; Summaries on Methods and Materials Used	4,320.

1/ The Council requested that this application be referred to the Hematology Study Section for evaluation of the clinical aspects of this problem.

2/ The Council requested the Research Grants Division to seek clarification of the item of \$720. for travel in the project budget.

SANITATION STUDY SECTION

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
423 <u>1</u> /	Purdue University	Don E. Bloodgood	Studies on the Disposal of Cyanide and Other Toxic Wastes Which Are A Definite Hazard to Public Surface Water Supplies	Action 5
450(R) <u>2</u> /	Univ. Texas Med. Branch	C. H. Connell	Study of the Chlorination of Raw and Settled Sewage to Determine the Effects of Suspended Solids and Grease Content, Temperature and pH Upon the Course of the Reaction of Chlorine with Ammonia and Amino Groups and the Resulting Bacterial Reduction Obtained	Action 3
452(R)	Mich. State Coll.	Edward F. Eldridge	Study of Oil Removal from the Wastes of Metal Industries with Special Emphasis on Machine Shop Cutting Oils and Compounds	Action 2
460(R) <u>3</u> /	Water Division, City of Houston	Clyde P. Harvill	A Study of the Chlorine Ammonia Reaction in Water with Particular Reference to the Removal of Natural Color from Surface and Well Water Supplies	Action 3

-
- 1/ Approved with authority given Research Grants Division administratively to eliminate \$400 for "water, gas, light, and heat" in view of the request for overhead.
 - 2/ The Council requested that this application be returned to the Sanitation Study Section for further investigation. The members felt that the approach should be modified and Professor Fair agreed to give specific advice upon request from applicant.
 - 3/ The Council requested that this application be returned to the Sanitation Study Section for additional review. It was felt that the applicant did not appear to be up to date on his information and was approaching a laboratory problem in an overall plant way.

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
463 1/	Univ. Texas	W. R. Woolrich, O. B. Williams	Bacteriological, Chemical and Physical Factors Affecting the Sanitation and Preservation of Marine Products, Fruits and Vegetables in Preparation Processing, Quick Freezing and Defrosting	Action 5
478 2/	Regents of Univ. Wisc.	Gerard A. Rohlich	Control of Noxious Aquatic Growths by the Removal of Nutrient Materials from Sewage Effluents	Action 6
479 3/	Dept. Public Health, Mass.	Arthur D. Weston	Development of Improved Procedure for Determining Degree of Fecal Pollution of Soft Shell Clams and Improved Methods of Cleansing Soft Shell Clams	Action 6
482	Okla. A. & M. Coll.	Irving Johnson, Otis Dermer	Development of an Acceptable Method for the Determination of Phenols in Water and Sewage when Present in Very Minute Quantities	Action 2
483	Okla. A. & M. Coll.	Otto M. Smith	Development of Direct, Quick, Reliable Method for Determination of Sodium in Water Using Small Amounts of Sample	Action 2
507	Okla. A. & M. Coll.	Quinton B. Graves	Experimental Studies on Water Treatment at Lake Carl Blackwell	Action 2

-
- 1/ The Council requested the Research Grants Division to question the item of \$600 for printing.
 - 2/ The Council concurred in the recommendation of the Study Section that the applicant resubmit this application on the basis of an exploratory laboratory study for a period of one year with a maximum expenditure of \$10,000.
 - 3/ The Council concurred in the recommendation of the Study Section that this application should be resubmitted on a wider scale than contemplated.

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
521	Mr. Edward S. Hopkins (Individual)		Evaluation of New Standard Procedure for Testing Coliform Organisms in Public Water Supplies	Action 2
531	Univ. Maryland	Normal C. Laffer	Supplementary Methods for Examination of Water from Public Water Supplies	\$1,050.
560	Univ. Illinois	H. E. Babbitt	Investigation of Diatomaceous Earth Filters Principally in Treatment of Industrial Wastes	Action 3
561	Dept. Water & Power, Los Angeles	R. F. Goudey	Electron Microscopic Research in the Field of Water Bacteriology, Microscopy and Corrosion	Action 2
562 <u>1/</u>	Dept. Water & Power, Los Angeles	R. F. Goudey	Bacterial Research to Determine Organisms of the Coliform Group Which Have Sanitary Significance	Action 3
563	Dept. Water & Power, Los Angeles	R. F. Goudey	Determination of Minor Metallic Elements in Water and Their Physiological Effects on Humans	Action 2
564	Dept. Water & Power, Los Angeles	R. F. Goudey	Study of Extent to Which Tastes and Odors are Created from Bacterial Activity in Pipe Lines Carrying Water Treated by Various Methods	Action 2
565	Dept. Water & Power, Los Angeles	R. F. Goudey	Application of Diatomite Filtration to the Treatment of Municipal Water Supplies	Action 2

1/ The Council requested that this application be sent to the Bacteriology Study Section for review.

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
586	Dept. Health & Welfare, Augusta, Maine	E. W. Campbell	Sanitation Study of Efficiency of Various Sterilizing Chemicals and Devices in Public Eating Places	Action 2
590	Rutgers Univ.	Willem Rudolfs	Mechanism of Anaerobic Digestion of Sewage Solids and Industrial Wastes	\$6,372.
591	Rutgers Univ.	Willem Rudolfs	Survival of Tubercle Bacilli in Sewage Treatment Processes, Streams, and Water Supplies	3,294.
592	Rutgers Univ.	Willem Rudolfs	Study of Literature Pertaining to Sewage and Industrial Waste Treatment for the Evaluation, Interpretation and Stimulating of Further Research	Action 2
593 <u>1/</u>	Rutgers Univ.	Willem Rudolfs	Oxidation of Soluble Organic Wastes by Activated Sludge Liquid Aeration, Coarse and Fine Grained Biological Filters	Action 3
594	Rutgers Univ.	Willem Rudolfs	Nature and Removal of Color of Industrial Wastes	Action 3
628 <u>2/</u>	Univ. Mich.	Ernest Boyce	Investigation of the Design Factors Affecting Operation Efficiencies of Small Septic Tanks	11,800. (Action 4)

1/ The Council requested that this application be reconsidered by the Study Section; it was their feeling that the project was possibly too broad in scope.

2/ Approved subject to coordination with current research, including that of the U.S.P.H.S., and approval limited to one year only.

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
640 <u>1/</u>	County San. Dist. No. 2 of Los Angeles	Hervey F. Ludwig, Vinton W. Bacon	Phenomenon of Ocean Disposal of Sewage and Sewage Effluents	Action 3
641 <u>2/</u>	Univ. Cincinnati	William F. Ashe	A Study of the Physical and Chemical Nature of the Contaminants (Soot, Silica, Acid Gases, Metals, etc.) of the Atmosphere in the Greater Cincinnati Area	\$8,260. (Action 4)
657	Bd. Public Wks., Los Angeles	Frank Gillelen	Investigation of Disinfectants Other than Chlorine for Reduction of Bacteria in Sewage and Storm Waters	Action 2
666 <u>3/</u>	Illinois State Water Survey	A. M. Buswell, W. H. Rodebush	Instrumental Methods for Detecting Small Amounts of Chemical Contaminants in Water	Action 5
689	Univ. Santa Clara	George L. Sullivan	Determination of Significant Factors Governing the Bactericidal and Oxidizing Effects of Algae in Sewage Oxidation Ponds	Action 2
690	Univ. Florida	E. B. Phelps	Study of Final Effluent from Sewage Treatment Processes with Special Consideration of the Epidemiological Significance When Disposed in Drainage Wells	Action 2

1/ The Council requested that this application be sent to the Bacteriology Study Section for review.

2/ Approval based upon the applicant's willingness to agree to delete the restrictive phrase "in the Greater Cincinnati Area".

3/ Approval with authority to Research Grants Division administratively to delete the "overhead" expense. The Council does not feel that provision for "overhead" should be extended to state health departments or "public utilities" such as the Illinois State Water Sewage. The item can be restored, however, if the University of Illinois is to have responsibility for the research and desires "overhead".

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
701	Univ. Colo. Med. Sch.	Stuart G. Dunlop	Incidence and Significance of Intestinal Pathogens in Sewage-Contaminated Irrigation Water and on Food Products Irrigated with this Polluted Water	Action 3
709 <u>1/</u>	Univ. Calif.	H. B. Gotaas, J. H. Skillin	Investigation to Deter- mine a Satisfactory Index Organism for Swimming Pools Which Will Show Respiratory Contamination in Tests Suitable for Use of Routine Field Examina- tions	Action 5
710	Univ. Calif.	W. F. Langelier	Manometric Apparatus and Techniques for Measure- ment of Pollutational Strength of Domestic and Industrial Sewages	\$1,050.
718	Okla. A. & M. Coll.	Nathan Burbank, Jr.	Comparison of Trickling Filters	Action 3
731	Drackett Co.	N. R. Gotthoffer	Disposal of Wastes from a Soybean Processing Plan	Action 3
732	Joseph B. Ficklen and Albert L. Chaney (Individuals)		Developments of Technics and Apparatus for the Study of Aerial Pollutions, their Identification and Quantitative Determina- tions	Action 2
733	Joseph B. Ficklen and Albert L. Chaney (Individuals)		Basic Research on Air Pollution with a Special Reference to the Types of Constituents, Amounts, and Their Significance, Occurring in Industrial Areas	Action 2

1/ Approved with authority given to Research Grants Division administratively to delete the "summer salary".

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
756 <u>1/</u>	Univ. Michigan	G. M. Ridenour	Study of Fundamentals, Limitations, and Practical Usefulness of Disinfectants, including Cationics, now being Used in the "Cold Sanitization" of Food Handling and Eating Utensils	Action 3
762	Federation of Sewage Works Association	W. D. Hatfield	Development of New and Improved Methods of Analysis of Sewage, Industrial Wastes and Other Polluted Waters	\$39,800.
767	Mass. Inst. Technology	Clair N. Sawyer	Study of Nutritional Requirements Involved in Biological Stabilization of Industrial Wastes Using Activated Sludge	12,000.
768	Mass. Inst. Technology	Murray P. Horwood	Development of a Suitable Procedure Based on Experimental Data for the Thorough Cleansing and Sterilization of Public Eating and Drinking Utensils	Action 2
776 <u>2/</u>	Renssalaer Polytechnic Institute	E. J. Kilcawley	Study of the Capacity of Soils for the Sub-surface Disposal of Settled Sewage	Action 5
777	Renssalaer Polytechnic Institute	E. J. Kilcawley	Study of the Sterilizing Effect of Ozone	Action 2
813	Mich. State Coll.	Edward F. Eldridge	Study of Biological Filtration as Applied to the various Wastes from the Milk Industry	Action 2

1/ The Council felt that the reason given by the Sanitation Study Section was not sufficient to justify disapproval and therefore requested that this be reconsidered.

2/ Approved with authority given to Research Grants Division to delete "summer salaries".

SANITATION STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
815 <u>1/</u>	City of San Antonio Health Dept.	Col. Chester Cohen	Adaptability of South Texas Soil to Absorb Sewerage Effluent	Action 2
816	City of San Antonio Health Dept.	A. B. Rich	Dishwashing Sterilization and Bacteriological Control	Action 2
818	City of San Antonio Health Dept.	To be selected	Pollution Standards in Theatres, Auditoriums, Schools, and Public Buildings	Action 2
820	Texas A. & M. Res. Fdn.	R. M. Dixon	Fruit and Vegetable Processing Plant Sanitation and Disposal of Waste Products	Action 2
822	Bd. of Public Wks., City of Los Angeles		Fish Waste Disposal, by Elimination of Hazardous Contamination of Receiving Waters	Action 2
823	Bd. of Public Wks., City of Los Angeles		Sewage and Sewer Gas Deodorization	Action 2
831	Coll. Med. Evangelists	Albert L. Chaney, Joseph B. Ficklen	Identification of Clinically Significant Materials Occurring As Aerial Pollutants in Industrial Areas	Action 2
834	Mich. State Coll.	W. L. Mallmann	Sanitary Significance of Sewage Effluents Applied to Truck Crop Soils	\$4,200.
835	Purdue Univ.	P. A. Tetrault	Study Stabilization of Effluents from Canning Factories and Other Industries Discharging High Carbohydrate Wastes	Action 2
836	Purdue Univ.	S. E. Hartsell	Longevity and Behavior of Pathogenic Bacteria in Frozen Foods	4,825.

1/ Disapproval based on the fact that this is essentially a local problem.

SURGERY STUDY SECTION

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
86(C)	Univ. Colo. Sch. Med.	Henry Swan	Pathologic Physiology and Surgical Therapy of Mitral Stenosis	\$3,402.
395	Univ. Okla. Sch. Med. and Hospitals	J. Moore Campbell	Use of Artificial Aortic Valve in Produced Aortic Regurgitation in Dogs Use of Lucite Tubing in End to Side Vascular Anastomoses	3,225.
439 <u>1/</u>	Univ. South. Calif.	John B. Dillon	Changes in Arterial and Venous Blood Chemistry During Surgery, with Determinations of Cardiac Output and Other Blood Values	Action 3
517 <u>2/</u>	Regents of Univ. Minn.	Clarence Dennis	Development of a Pump- Oxygenator to Replace the Heart and Lungs of Human Patients for Brief Periods	Action 3
717	Mass. Gen. Hosp.	Francis D. Moore	Role of the Parasympa- thetic Nervous System in the Regulation of Gastro-intestinal Secretory and Motor Activity	9,875.
740 <u>3/</u>	Columbia Univ.	John S. Lockwood	Pre- and Post-operative Therapy of Debilitated Surgical Patients	Action 5
786 <u>4/</u>	Wash. Univ. Sch. Med.	Leo A. Sachar	Systemic Metabolic Changes Following Trauma	5,508. (Action 4)
794	Univ. Calif.	H. J. McCorkle	Study of Experimental Peritonitis of Intestinal Origin	4,330.80

- 1/ The Council requested that this application be sent to the Cardiovascular Study Section for review.
- 2/ The Council requested that this application be sent to the Cardiovascular Study Section for review.
- 3/ The Council requested the Research Grants Division to determine the need for four graduate nurses and two dietitians in this project.
- 4/ Approval based upon Dr. Robert A. Elman's willingness to become director or co-director of this project.

SYPHILIS STUDY SECTION ^{1/}

140

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
4(C2)	Southwestern Med. Fdn.	Arthur G. Schoch	Treatment of Early and Late Syphilis with Penicillin G	Action 3
9(C2)	Univ. North Carolina Sch. Pub. Health	Harold J. Magnuson	Research in Experimental Syphilis	Action 3
12(C2)	Johns Hopkins Univ. Sch. Med.	J. E. Moore	A. Study of the Effect of Penicillin and Other Antibiotics in Treatment of Syphilis in Man. B. Study of Constitutional Background and Pathogenesis of Tabes Dorsalis. C. Study of the Effect of Testosterone in the Treatment of Charcot Joints	Action 3
13(C2)	Trustees of Univ. Penn.	John H. Stokes	Value of Penicillin in Treatment of Syphilis	Action 3
14(C2)	N. Y. Univ.	Evan W. Thomas	Rapid Treatment of Syphilis with Penicillin	Action 3
15(C2)	Cornell Univ. Med. Coll.	Bruce Webster	Treatment of Early and Central Nervous System Syphilis with Penicillin	Action 3
16(C2)	Duke Univ.	J. Lamar Callaway	Penicillin Treatment of Syphilis	Action 3
17(C2)	Tulane Univ. Sch. Med.	R. V. Platou	Penicillin in Treatment of Congenital Syphilis	Action 3
19(C2)	Willis Hosp.	Joseph V. Klauder	Penicillin Treatment in Ocular Syphilis	Action 3
21(C2)	Univ. Va. Hosp.	Dudley C. Smith	Penicillin (Alone and with Other Chemicals) in Treatment of Syphilis	Action 3

1/ Due to the fact that the Council believed that the syphilis program as envisaged was too broad, the following motion was passed:

"That the Syphilis Study Section try to revise their projects within a maximum amount of \$550,000, including cost of penicillin, and that Doctor Van Slyke be authorized to have a little leeway on that amount so that the total budget for syphilis projects will not exceed \$600,000."

With the exception of 6 outright disapprovals and 1 approval the entire block of syphilis grants was returned to the Study Section for reconsideration.

SYPHILIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
22(C2)	Univ. Texas Med. Branch	Chester N. Frazier	Penicillin in Treatment of Primary and Secondary Neural and Congenital Syphilis	Action 2
23(C2)	Western Res. Univ.	Harold N. Cole	Penicillin Therapy in Syphilis	Action 2
26(C2)	Vanderbilt Univ. Med. Sch.	H. R. Kampmeier	Effectiveness of Peni- cillin in the Treatment of Early Syphilis	Action 3
27(C2)	Chicago Health Dept.	Herman N. Bundesen	Research in Penicillin in Treatment of Syphilis	Action 2
28(C2)	Stanford Univ. Sch. Med.	Chas. W. Barnett	Penicillin Treatment in Syphilis	Action 2
30(C2)	Wash. Univ. Sch. Med.	Virgil Scott	Treatment of Early and Neurosyphilis with Penicillin	Action 3
32(C2)	Johns Hopkins Sch. Hygiene and Pub. Health	Colin W. Churchill	Biostatistical Analysis of Nationwide Results of Penicillin Therapy in Syphilis	Action 3
35(C2)	New Britain Gen. Hosp.	Paul D. Rosahan	The Biology of Syphilitic Infection	Action 3
36(C2)	Duke Univ.	Hans Neurath	False Positive Reactions in Serologic Diagnosis of Syphilis	Action 3
37(C2)	Regents of Univ. Mich.	Udo C. Wile, Arthur C. Curtis	Penicillin Therapy and Penicillin Plus Malaria Therapy for Early and Late Syphilis	Action 3
39(C2)	Wayne Univ. Med. Sch.	Loren W. Shaffer	Evaluation of Penicillin Therapy in Early Syphilis	Action 3
42(C2)	Univ. Rochester Sch. Med. and Dentistry	Chas. M. Carpenter	Study of the Therapeutic Efficacy of Penicillin and Its Fractions on Experimental Syphilis	Action 3

SYPHILIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
45(C2)	Boston Univ. Sch. Med.	William L. Fleming	1. Experimental Syphilis 2. Human Syphilis	Action 3
51(C)	Emory Univ. Sch. Med.	Albert Heyman	Penicillin Treatment of Syphilis	Action 3
65(C)	Pan American Sanitary Bureau	Fred L. Soper	Investigation of Venereal Diseases in Guatemala; Central America	\$105,800
68(C)	Pres. & Fellows Harvard Coll.	Harry C. Solomon	Study of Effectiveness of Penicillin in Treat- ment of Neurosyphilis	Action 3
107(C)	Univ. Georgia Sch. Med.	Robert S. Greenblatt, Robert B. Dienst	Continuation of Clinical and Experimental Studies on Venereal Diseases Excepting Syphilis	Action 3
109(C)	Mayo Clinic	Paul A. O'Leary, Robert R. Kierland	Further Investigation in the Use of Crystal- line Penicillin G in Treatment of Neuro- syphilis	Action 3
112(C)	Yale Univ. Sch. Med.	Francis G. Blake	Treatment of Early Syphilis with Penicillin	Action 2
124(C)	Johns Hopkins University	Justina H. Hill	Investigation of Funda- mental Chemical and Physical Behavior and Growth Requirements of <u>Neisseria gonorrhoea</u> and of <u>Hemophilus ducreyi</u> ; Studies of Chemothera- peutic Agents and of Factors Related to Viru- lence and Host Resistance; Studies of Non-specific Urethritis	Action 3
174(C2)	Johns Hopkins Sch. Hygiene and Public Health	Thomas B. Turner	Study of the Biology of Syphilitic Infection	Action 3
704	Johns Hopkins Univ. Sch. Med.	Alan M. Chesney	Study of Factors Govern- ing the Course of Syphil- itic Infection in the Rabbit and the Development of Immunity to the Disease	Action 3

SYPHILIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
746	N. Y. Univ. Sch. Med.	L. Emmett Holt, Jr.	Therapeutic Studies of Congenital Syphilis	Action 2
833	Columbia Univ.	E. Gurney Clark	(a) Epidemiologic Study of "Treatment Failures" Following Penicillin Therapy of Early Syphilis, (b) Treatment of Neuro- syphilis	Action 3
838	Johns Hopkins Univ.	Thomas W. Farmer	(a) Clinical Investiga- tive Work on Biologic False Positive Tests for Syphilis (b) Evalua- tion of Cardiolipin Anti- gens in the Serodiagnosis of Syphilis	Action 3
839	Bur. Ven. Dis., Dist. Columbia Health Dept.	Harold L. Hirsh	Evaluation of Strepto- mycin Therapy in Chancroid	Action 3
840	Bur. Ven. Dis., Dist. Columbia Health Dept.	Harold L. Hirsh	Evaluation of Strepto- mycin Therapy in Granuloma Inguinale	Action 3
844	Univ. Rochester Sch. Med. and Dentistry	Chas. M. Carpenter Ruth A. Boak	(a) Studies on Isolation of Virulent <u>Treponema</u> <u>pallidum</u> on Artificial Media (b) Studies on the Effect of Subcurative Doses of Penicillin on <u>Treponema pallidum</u> in Rabbit	Action 3
849	Univ. Mich.	Arthur C. Curtis	Continuation of Studies in Infravisable Forms of the Spirochaeta <u>pallida</u>	Action 3

TROPICAL DISEASES STUDY SECTION

<u>RG. No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
140(C)	Univ. Chicago	E. M. K. Geiling	Studies in Chemotherapy and Drug Metabolism	\$12,910.
158(C)	Pan Am. San. Bur.	Joseph S. Spoto	Research on the Disease Onchocerciasis and Its Vector the Simulium Fly	29,400.
334(C)	Western Res. Univ.	Arnold D. Welch	Chemotherapy of Tropical Diseases Other Than Malaria (Filariasis, Schistosomiasis, etc.)	33,372.
361 1/	Univ. Minn. Med. Sch.	John M. Adams, John L. McKelvey	Epidemiological and Clinical Investigations of Toxoplasmosis	Action 3
385(S)	N.Y. Univ. Coll. Med.	Henry E. Meleney	Biological Aspects of Schistosomiasis	6,210.
524	Univ. Texas Med. Branch	Joy Barnes Cross	Morpho-physiologic Studies of Toxoplasma and Chemotherapy of Experimental Toxoplasmosis	2,160.
581	David Weinman. (Individual)		African Trypanosomiasis	Action 2
589	Univ. Kentucky	David R. Lincicome	Influence of Biotin Upon Susceptibility to Infection with <u>E. Histolytica</u>	Action 2
620	Children's Hosp., Cincinnati	Katherine Dodd	Clinical, Chemical and Bacteriological Study of the Acute Diarrheal Disease, Ekiri	17,413.80
637	Okla. A. & M. Coll.	R. Chester Hughes	Survey of Helminth Parasites in Oklahoma Vertebrates	Action 2
667 2/	Wayne Univ. Coll. Med.	S. E. Gould	Treatment of Trichinous Pork by Low Temperatures	Action 3

1/ The Council requested that this application be reconsidered by the Tropical Diseases Study Section.

2/ The Council requested that this application be referred to the Sanitation Study Section and that Dr. Benjamin Schwarz, of the Bureau of Animal Industry, be consulted for expert opinion.

TROPICAL DISEASES STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
719	Univ. Calif.	Hamilton H. Anderson Herbert G. Johnstone	Laboratory Study of Factors Influencing Growth & Development of <u>E. histolytica</u> <u>in vitro</u> and <u>in vivo</u> . Field Study of New Amebacides, Utilizing Appropriate Controls	\$20,066.
787	Geo. Washington Univ.	Angus M. Griffin	An Ecological Study of the Entozoic Amoebae With Special Reference to the Bacteria-Amoeba Association and to the Antigenic Structure of the Amoebae	Action 3
825 <u>1/</u>	Duke Univ.	G. W. Wharton	Studies on Trombiculid Mites	Action 5

TUBERCULOSIS STUDY SECTION

61(C) <u>2/</u>	E. L. Trudeau Fdn.	Edward N. Packard	Clinical Research in Industrial Pulmonary Disability	Action 3
116(C)	E. L. Trudeau Fdn.	Friedrich Klemperer	Clinical-Biochemical Research in Miliary Sarcoidosis of the Lung	Withdrawn
141(C)	Univ. Chicago	Robert G. Bloch	Chemotherapy of Tuberculosis and Related Subjects	19,500.
476	Univ. Georgia Sch. Med.	Peter B. Wright	Streptomycin as an Adjunct to Surgery in Tuberculosis of the Bone	5,000.
512	Women's Med. Coll. of Penn.	Harold L. Israel	BCG Vaccination in Sarcoidosis	3,000.

1/ Approved with authority given to Research Grants Division administratively to determine the need for the "panel truck".

2/ The Council requested that this application be reconsidered by the Tuberculosis Study Section, specifically to determine whether Doctor Packard will actually be the director and to determine the need for a salary item for Doctor Wright.

TUBERCULOSIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
536(S) <u>1/</u>	Coll. Phys. & Surg., Columbia	J. Burns Amberson, Wm. H. Stearns	Investigation of Therapeutic Properties of Streptomycin in Human Tuberculosis	Action 5
537(S)	Cornell Univ. Med. Coll.	Walsh McDermott	Clinical & Laboratory Investigation of Antibacterial Therapy in Tuberculosis, e.g., Streptomycin	25,399.20 plus Strep.
538(S)	Mineral Springs Sanatorium	Karl H. Pfuetze	Clinical Investigation of Streptomycin in Tuberculosis	7,100. plus Strep.
539(S)	Laurel Heights Sanatorium	Kirby S. Howlett, Jr.	Experimental Study of Streptomycin in Clinical Tuberculosis	6,671.
539(S2)	Yale Univ. Sch. Med.	Kirby S. Howlett, Jr.	Experimental Study of Streptomycin in Tuberculosis: Sensitivity of Tubercle Bacillus to Streptomycin	3,699.
540 <u>2/</u>	N. Y. State Dept. of Health TB Control	H. McLeod Riggins	Treatment of Tuberculosis with Streptomycin	Action 5
540(S)	Lenox Hill Hosp.	H. McLeod Riggins	Evaluation of the Toxic and Therapeutic Effects of Streptomycin and Other Antibacterial Agents in the Treatment of Tuberculosis	8,154.
541(S) <u>3/</u>	Olive View Sanatorium	Emil Bogen	Chemotherapy in Tuberculosis	Action 5
632	N. Y. Med. Coll.	Arthur K. Saz	Growth and Metabolism of the Tubercle Bacillus-Possible Chemotherapeutic Compounds	Action 3

1/, 2/, 3/ It was the sense of the Council that local support should be sought for hospitalization and nursing care. If, however, local support cannot be obtained, the Council would approve the projects in the full amounts requested.

TUBERCULOSIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
656	Univ. Wisc. Sch. Med.	Helen A. Dickie	Clinical Evaluation of Streptomycin Therapy in Tuberculosis	\$3,600.
664	Coll. Phys. & Surg., Columbia	Alvan L. Barach	Treatment of Pulmonary Tuberculosis by Cessation of Movement of Both Lungs by the Equalizing Pressure Chamber	Action 2
708	Univ. Mich.	John D. Adcock	Clinical and Experimental Studies of the Effect of Streptomycin in Tuberculosis	Action 3
712	Wayne County Gen. Hosp.	Rudolph Leiser	Investigation to Determine the Effect of Streptomycin of Progressive Pulmonary Tuberculosis	Action 2
713	Mt. Pleasant Sanatorium	Albert F. Shrier	Treatment of Pulmonary and Other Types of Tuberculosis with Streptomycin	Action 2
714	Bergen County Hosp.	Rufus R. Little	Use of Streptomycin in Treatment of Tuberculosis	Action 2
715 <u>1/</u>	N. Y. Univ.	Edith M. Lincoln	Treatment of Tuberculous Children with Streptomycin	Action 5
726	Univ. Wash.	Russell S. Weiser	Search for Antibiotics Effective Against Mycobacterium Tuberculosis	2,800.
727	Univ. Wash.	Russell S. Weiser	Nature of the Tuberculin Reaction and Its Antibody	9,400.
729 <u>2/</u>	Trudeau Sanatorium	Edw. N. Packard	Evaluation of Streptomycin Therapy in Tuberculosis	Action 5

1/, 2/ It was the sense of the Council that local support should be sought for nursing care. If, however, local support cannot be obtained, the Council would approve the projects in the full amounts requested.

TUBERCULOSIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
730	Iola Sanatorium	Ezra Bridge	Influence of Streptomycin in Tuberculosis	Action 3
739	Cornell Univ.	Harvey Posvic	Synthesis of Candidate Chemotherapeutic Agents for Tuberculosis	Action 3
748	Valley View Sanatorium	Homer H. Cherry	Influence of Streptomycin on Active Pulmonary Tuberculosis Complications in Man	Action 2
749 <u>1/</u>	City of Chicago Municipal TB Sanatorium	Henry C. Sweany	Effect of Streptomycin Treatment on Tuberculosis Enteritis	Action 5
754	Glen Lake Sanatorium	Sumner S. Cohen	Determine Value of Streptomycin in the Conversion of Sputum in Patients Having Residual Chronic Bronchiectasis	Action 3
755	Grasslands Hosp.	Wm. G. Childress	Controlled Clinical Trial of Streptomycin in the Treatment of Pulmonary Tuberculosis	Action 2
759	Germantown Dispensary and Hospital	F. M. McPhedran	(1) Enhancement of the Therapeutic Effect of Streptomycin on Tuberculosis (2) Reduction of Toxic Side-effects of Streptomycin	Action 2
763	Children's Men. Hosp., Chicago	Edw. L. Compere	Effectiveness of Streptomycin in Treatment of Bone and Joint Tuberculosis in Children	Action 3
770	Berthold S. Pollack Hosp. for Chest Diseases	Berthold S. Pollack	Value of Streptomycin in Tuberculosis	Action 2

1/ Approved with authority to Research Grants Division administratively to delete the "overhead" expense. The Council does not feel that provision for "overhead" should be extended to "public institutions" such as the Chicago Municipal Tuberculosis Sanatorium. The Council requested the Research Grants Division to determine the need for the microscope requested.

TUBERCULOSIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
773	R. I. State Sanatorium	U. E. Zambarano	To Use Streptomycin Therapeutically in Selected Cases of Tuberculosis	Action 2
779	Univ. State Tuberculosis Hosp., Portland, Oregon	Wm. S. Conklin	Streptomycin As An Adjunct to the Surgical Therapy of Pulmonary Tuberculosis	Action 3
781	Division of Public Inst., St. Paul	H. A. Burns	Effect of Streptomycin on Conversion of Tuberculin Positive Reactors	3,600.
788	Univ. Ill. Coll. Med.	Sol Roy Rosenthal	BCG Vaccine and Investigative Work in Tuberculosis	10,750.
792 <u>1/</u>	Channing Home for Tuberculosis, Boston	Theodore L. Badger, Cutting Favour	Clinical and Immunological Evaluation of the Use of Streptomycin in Acute Exudative Tuberculosis	Action 5
793	Lakeville State Sanatorium	Fletcher H. Colby	Evaluation of Streptomycin in Treatment of Bilateral Renal Tuberculosis	Action 3
795 <u>2/</u>	Barlow Sanatorium Assn.	C. Richard Smith	Study of Detergents, Cationic, Anionic and Non-ionizing in Their Relation to Tubercle Bacilli. This Will Include Quaternary Ammonium Compounds and Other Surface Active Agents	Action 3 -
796 <u>3/</u>	Wash. Univ. Sch. Med.	Alfred Goldman	Chemotherapy of Tuberculosis with Streptomycin	Action 5
802 <u>4/</u>	Johns Hopkins University Med. Sch.	Russell H. Morgan	Laboratory and Clinical Study of Life Cycle of the Silicotic Lesion	Action 5

- 1/, 3/ It was the sense of the Council that local support should be sought for nursing care. If, however, local support cannot be obtained, the Council would approve the projects in the full amounts requested.
- 2/ The Council requested that this application be referred to the Bacteriology Study Section for review.
- 4/ Approved with authority given to the Research Grants Division administratively to determine the need for so much expensive equipment.

TUBERCULOSIS STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
811 <u>1/</u>	King County Tuberculosis Hosp.	Wm. W. Richardson, Jr.	Evaluation of Streptomycin in Treatment of Tuberculosis	Action 5
830	Univ. Penn.	Joseph D. Aronson	Pathogenesis and Treatment of Experimental Tuberculosis Following Air-borne Infection with Streptomycin-Resistant and Streptomycin Susceptible Tubercle	\$22,464.
850 <u>2/</u>	North Carolina State Sanatorium	H. S. Willis	Study of Effect of Streptomycin on Tuberculosis	Action 5
852	Pres. & Fellows of Harvard Coll.	Chas. A. Janeway, Thomas M. Rotch	Evaluation of Streptomycin Therapy in Infantile Tuberculosis	\$18,824.
855	Lake County Tuberculosis Sanatorium	Charles K. Petter	Observations on the Effects of Streptomycin in Tuberculosis	Action 2

The Council voted approval of the Tuberculosis Program contingent upon the availability of \$3,000,000 which will be requested of the Congress.

VIRUS AND RICKETTSIAL STUDY SECTION

11(C2)	Children's Hosp., Phila.	Thomas F. McNair Scott	Studies on Epidemic Influenza	35,640.
163(C)	Sch. Pub. Health, Univ. Mich.	Thomas Francis, Jr.	Studies on the Etiology Pathogenesis, Epidemiology and Control of Acute Respiratory Disease	27,000.
172(C)	Wayne Univ. Coll. Med.	Loren W. Shaffer	Investigation of Virus and Potential Virus Diseases in Dermatology	Action 3

1/, 2/ It was the sense of the Council that local support should be sought for nursing care. If, however, local support cannot be obtained the Council would approve the projects in the full amounts requested.

VIRUS AND RICKETTSIAL STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
180(C) 1/	N. Y. Univ. Coll. Med.	L. Emmett Holt, Jr.	Influence of Aerosols in Controlling Spread of Contagious Disease	Action 3
298(C)	Johns Hopkins Sch. Hyg. & Pub. Health	Thomas B. Turner, Thomas G. Ward	Influenza and the Common Cold	\$19,245.
308(C)	Univ. Chicago	Clayton G. Loosli	Epidemiology, Etiology, Prophylaxis and Treatment of Acute Respiratory Tract Infections	9,040.
326	Hellenic Pasteur Inst., Athens	John Caminopetros	Determination of Presence of Q Fever (Balkan Grippe in Greece, and Determination of Morbidity Rates	Action 2
459	Texas State Bd. Health	J. V. Irons	The Lavaca County Typhus Project for Research in Epidemiology, Epizootology and Rat Flea Control Procedures in Typhus Control	Action 2
481	Univ. Calif.	W. McD. Hammon	Epidemiological Field Studies on Avian Malaria, Including an Intensive Study of Importance of <u>Culex tarsalis</u> as a Vector; and an Extensive Investigation on the Importance of Wild Bird Mites as Vectors of the Encephalitis Viruses	13,000.
544	Yale Univ.	Orville F. Rogers	Study of the Effects of Vaccination on the Incidents and Severity of Influenza Types A & B	1,998.

1/ The Council requested that this application be reconsidered by the Virus and Rickettsial Study Section. It was reported that Doctor Holt was setting up a unit for communicable diseases at Bellevue and transferring patients from Willard Parker Hospital without authorization of the Department of Hospitals. Doctor Holt was ordered to discontinue that practice because it was considered an unfair exposure of children to communicable diseases. Question was raised as to whether the project can be carried on at Bellevue Hospital.

VIRUS AND RICKETTSIAL STUDY SECTION (Cont.)

<u>RG No.</u>	<u>Applicant</u>	<u>Investigator</u>	<u>Subject</u>	<u>Amount Approved</u>
558 1/	Coll. Phys. & Surg., Columbia	Murray Sanders	(a) Cell-virus Relationship (b) Etiology or Mechanism of Iridocyclitis and Ureitis (c) The Trachoma, Inclusion Blenorrhoea Viruses	Action 5
596	Univ. Texas Sch. Med.	Ludwik Anigstein	Investigations on the Factors Involved in the Specific Therapy of Rickettsial Infections	Action 2
635	Okla. A. & M. Coll.	K. Starr Chester	Electron Microscope Study of Plant Viruses	1,620.
686	Wash. Univ. Med. Sch.	Alfred D. Hershey	Genetic Variation in Bacterial Viruses	3,574.80
741 2/	Bowman Gray Sch. Med.	Thomas T. Mackie	Investigations into the Virus and Rickettsial Diseases in North Carolina and the Adjacent Southwestern United States	Action 6
819	Long Island Coll. Med.	Arthur W. Grace	Virus Diseases of the Skin	Action 3

1/ Approved with authority given to the Research Grants Division administratively to determine the need for the refrigerated centrifuge.

2/ The Council concurred in the recommendation of the Virus and Rickettsial Study Section that this project should be resubmitted outlining a more specific phase of the study on a scale commensurate with facilities which might be available in the future.

During the discussion of applications for grants in aid, the following matters of policy were determined:

1. The Council voted to revise its previous action and permit the applicant, if he wishes, to have a budget item under the category of contingent funds.
2. During discussion of the applications in the field of rodent control, the Council considered the possibility of establishing a new Study Section in this field. Final agreement was to the effect that the matter could better be handled by the establishment of a subsection on Rodent Ecology in the Sanitation Study Section, than by the creation of a new Section or by the addition of additional members (i.e., zoologists) to the Sanitation Study Section.
3. The Council granted administrative authority to the Research Grants Division to add 8% overhead, when and if requested, to those applications for grants in aid in which the applicant has not as yet requested overhead allowance.
4. In connection with many travel items requested, and in agreement with Study Section recommendations thereon, the Council reaffirmed its previously accepted policy in reference to the use of travel funds by grantees:

While the use of travel funds is approved for visits to other laboratories for consultation with investigators working on similar problems, or for attendance at seminars or symposia in the field of the research proposed, such funds may not be used for attendance at regularly scheduled meetings of scientific societies or similar professional associations.

D. Administration of the Research Grants Program

1. Final Meeting of Council for Fiscal 1947--Friday and Saturday, June 6-7, 1947, were agreed upon for the next meeting date of the National Advisory Health Council, or June 7, 1947, in the event a one-day meeting is called.

2. Proposed Calendar of Meetings for Fiscal 1948--A policy of annual ternary meetings for the National Advisory Health Council and the Special Study Sections was approved, and the following calendar for Fiscal 1948 was established for the Council:

October 24-25, 1947
February 27-28, 1948
June 18-19, 1948

3. Immediate Circularization of applications to Council Members

Doctor Van Slyke stated that a deadline of seven weeks prior to Council meetings will be set for processing applications to be considered.

At this point the National Advisory Health Council requested immediate circularization of applications, in order to allow time for more detailed review before consideration in meeting.

4. Relation of Research Grants Division to Mental Hygiene Division and National Cancer Institute

Doctor Van Slyke advised that at the present the Research Grants Division is serving as a processing agency for applications for grants in aid considered by the National Cancer Council and the National Mental Health Council.

5. Research Grants in Relation to Fellowships

The Council agreed to postpone discussion of fellowships until the June 6-7 meeting, when matters of policy in this regard will be determined in detail.

6. Research Grants in Promotion of Study Section Activities

Doctor Van Slyke briefly summarized the financial arrangements, authorized by the General Counsel of Federal Security Agency, by which grants were made to Study Section Chairmen to defray expenses of Section meetings, project-site visits, consultative services, and telephone and secretarial assistance. On a yearly basis, these expenses would range from \$3,000 to \$10,500 per Study Section. The Council voted approval of continuation of this plan as pursued to date for the promotion of Study Section activities; recommended that the system be continued, and that funds be employed for that purpose without the previous limitation of \$5,500 on grants to Study Section chairmen.

V. ADJOURNMENT

The National Advisory Health Council adjourned at 5:22 P.M., Saturday, March 15, 1947.

Minutes of Meetings of the National Advisory
Health Council, 1948-1960
RG 443, Box 2