Record $14 Million
Allocated for Research

A record $14,000,000 of Heart Fund campaign contributions will be allocated to support cardiovascular research in fiscal 1970-71. With this sum, almost $164,000,000 will have been expended to advance scientific research since the Association initiated the Heart Fund drive for public support in 1948, making it the world's largest non-governmental source of cardiovascular research support.

Nearly $3,000,000 of the 1970-71 total will underwrite Fellowships already approved by AHA's national Research Committee for 140 individual scientists in the United States and abroad. Another $3,000,000 will be allocated this fiscal year for Grants-in-Aid to be announced later.

In addition, an estimated $8,000,000 will be expended by state and local Heart Associations nationwide for their own research programs which stress support and encouragement of young investigators who show promise.

This year's Fellowship allocations include 115 Established Investigators, the largest number since the program was initiated in 1949. Two Visiting Scientists and four British-American Research Fellows will also receive support under the new awards.

A full list of Fellowship awards, study titles and institutions where they are being conducted, is carried at the end of this "News" section.

Abstracts Due June 5
For Scientific Sessions

A deadline of June 5, 1970 has been set for submitting abstracts of papers and applications for scientific exhibits and cardiovascular films to be presented at AHA's 43rd annual Scientific Sessions. The meeting is scheduled from Thursday, Nov. 12 through Sunday noon, Nov. 15 in Convention Hall, Atlantic City, N. J.

Papers must be based on original investigations in the cardiovascular or related fields. Summaries of the project's results and the investigator's conclusions should be included in the abstract and submitted on official AHA forms.

Recently produced cardiovascular films will be selected for presentation by the Association's Subcommittee on Films.

Industrial exhibit space may be requested through Steven K. Herlitz, Inc., 850 Third Avenue, New York, N. Y. 10022.

Official forms for submitting abstracts, films and scientific exhibits are obtainable from the Department of Medical Education, 44 E. 23rd St., New York, N. Y. 10010.

Arteriosclerosis Council
To Meet in Atlantic City

The 1970 annual meeting of the Association's Council on Arteriosclerosis is scheduled for Tuesday, Nov. 10 and Wednesday, Nov. 11 in Howard Johnson's Motor Lodge, Atlantic City, immediately preceding the Association's Scientific Sessions.

June 5, 1970 is the deadline for receiving abstracts of papers to be presented at the Council meeting. Official forms for submitting abstracts may be obtained from the Department of Councils and International Program at the Association's National Office.

The Council sessions are open to all interested individuals. Members and non-members alike are invited to submit abstracts for possible presentation.
Symposium Scheduled
On Renal Hypertension


Presented by the AHA Council for High Blood Pressure Research in cooperation with the Cox Heart Institute, Kettering Medical Center, AHA-Ohio Affiliate, and Miami Valley Heart Chapter, the symposium will be co-directed by Albert A. Brust and Paul Kezdi.

Fees for attending are $40 for Fellows or Members of AHA scientific Councils and $60 for others. Inquiries may be made to: Medical Education Dep't., AHA, 44 E. 23rd St., New York, N. Y. 10010.

Booklet Revised
On Varicose Veins

The Association's booklet for physician distribution to patients with varicose veins has been updated and completely redesigned.

Titled "Varicose Veins," the 12-page illustrated publication explains the nature and Copies may be obtained from local Heart principal methods of treating the condition. Associations or the AHA Central Office.

Information on Prevention
Issued in Book Form

Information of special interest to practicing physicians, internists and cardiologists is contained in a new publication on preventive cardiology now available through the American Heart Association.

Named "Reducing the Risk of Coronary and Hypertensive Disease," the book stems from the Minnesota Symposium on Prevention in Cardiology which the Minnesota Heart Association sponsored in cooperation with the Mayo Clinic, Mayo Foundation, University of Minnesota, and AHA's Council on Clinical Cardiology.

Edited by Henry Blackburn and Jennifer Willis, the book's 25 articles cover the several risk factors and provide practical suggestions

for reducing the risk by controlling hypertension, diet, obesity, cigarette smoking and physical inactivity.

Copies may be obtained through local Heart groups or the AHA's Distribution Department.

Meetings Calendar

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June 29-July 1: International Study Group for Research in Cardiac Metabolism, Stowe, Vt. Dr. Arnold Schwartz, Baylor College of Medicine, Houston 77025.

July 15-17: 3 Days of Cardiology (Clinical Decisions in Cardiology: Recent Advances in Electrocardiography and Cardiac Drug Therapy), Course Directors, Peter M. Yurchak, Dean T. Mason, Henry J. L. Marriott, Montreal. Co-sponsor, Canadian Heart Foundation. Medical Education Dept., AHA, 44 E. 23rd St., New York 10010.


September 25-October 1: American Academy of General Practice, San Francisco. Mac F. Cahal, Volker at Brookside, Kansas City, Mo. 64112.

September 29-30: Basic and Clinical Pharmacologic Concepts of Digitalis Action, Columbus, Ohio. AHA Council on Clinical Cardiology, Ohio State Univ. Medical College, Central Ohio Heart Ass'n., AHA Ohio Affiliate. Dr. Arnold M. Weissler, Ohio State University Hospital, 410 West 10th Ave., Columbus 43210.

October 5-7: 3 Days of Cardiology (3 Key Cardiovascular Conditions), Course Direc-
October 12-16: American College of Surgeons (Clinical Congress), Chicago. Dr. C. R. Hanlon, 55 E. Erie, Chicago 60611.

October 12-17: Canadian Heart Foundation (Annual Meeting), Ottawa. Dr. John B. Armstrong, 270 Laurier Ave. W., Ottawa, 4, Canada.

October 20-21: Symposium on Hypertension, Course Directors, Albert N. Brest, Gaddo Onesti, Philadelphia. Co-sponsors, AHA Council for High Blood Pressure Research, Jefferson Medical College and Hospital, Heart Ass'n. of Southeastern Pennsylvania. Medical Education Dep't., AHA, 44 E. 23rd St., New York 10010.


November 12-17: American Heart Association, Scientific Sessions, Nov. 12-15; Annual Meeting, Nov. 16-17, Atlantic City. AHA, 44 E. 23rd St., New York 10010.


December 2-4: 3 Days of Cardiology (Electrocardiography), Course Director: Charles E. Kossmann, Memphis. Co-sponsors, Univ. of Tennessee College of Medicine, Tennessee Heart Ass'n. Medical Education Dep't., AHA, 44 E. 23rd St., New York 10010.

December 10-12: Cardiovascular Seminar, (Coronary Artery Disease), Miami. AHA Council on Clinical Cardiology, Univ. of Miami School of Medicine, Florida State Board of Health, American Academy of General Practice, Heart Ass'n. of Greater Miami, Florida Heart Ass'n. Heart Ass'n. of Greater Miami, 5080 Biscayne B'ld., Miami 33137.

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Abroad

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August 3-7: International Congress on Diseases of the Chest (11th), Lausanne, Switzerland. American College of Chest Physicians, 112 E. Chestnut, Chicago 60611.

August 22-September 8: 4 Cities of Cardiology (Copenhagen, Stockholm, Uppsala, Oslo). Medical Education Dept., AHA, 44 E. 23rd St., New York 10010.

August 23-September 4: International Teaching Seminar on CV Epidemiology (3rd), British Isles. Dr. Jeremiah Stamler, Chicago Civic Center, Room LL 139, Chicago 60602.

September 1-5: International Congress of Angiology (7th), Liege, Belgium. Dr. J. Lambert, 59 Boulevard de la Constitution, Liege, Belgium.

September 6-12: World Congress of Cardiology (VIIth), London. The Conference Center, 43 Charles St., Mayfair, London S.W.1, England.


September 15-18: Congress on Internal Diseases, Bratislava. Dr. M. Ondrejicka, Mickiewiczova 13, Bratislava, Czechoslovakia.

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May 27-29: International Cardiac Surgical Conference, Melbourne, Australia. Dr. Graeme Sloman, Royal Melbourne Hospital, Grattan St., Parkville, Victoria, Australia.


September 9-11: International Cardiovascular Society (10th Int'l Congress), Moscow. Dr. Allan D. Callow, 171 Harrison Ave., Boston 02111.
Research Award Recipients

Following is the list of investigators who will receive support through the Association's national research program for the fiscal year beginning July 1, 1970.

Career Investigators

*Horber, Victor*, Ion Movements & Myocardial Contractility, Minnesota University, Minneapolis.
*Pappenheimer, J. R.*, Cerebral Fluids & Neural Control Mechanisms, Harvard Medical School, Boston.
*Ratnoff, Oscar D.*, Studies on Hemostatic and Fibrinolytic Mechanisms, Case Western Reserve U., Cleveland.
*Sutherland, E. W.*, Biological Role of Cyclic AMP & Cyclic GMP, Vanderbilt University, Nashville.
*Wannamaker, L. W.*, Immunolog & Biochem Aspects of Streptoccal Infection, Minnesota University, Minneapolis.
*Yanofsky, Charles*, Regulation of Gene Action, Stanford University, Stanford.

New Established Investigators

*Blondin, George A.*, Ionophorous agents of biological membranes. Under Dr. David E. Green, Wisconsin University, Madison.
*Civan, Mortimer M.*, Transport of solutes and water across membranes. Under Dr. Alexander Jackson, Massachusetts General Hospital, Boston.
*Crowshaw, Keith*, Relationship of renal prostaglandins to hypertension. Under Dr. John C. McGiff, Saint Louis University, St. Louis.
*Hartzell, C. R.*, EPR of oxidative enzymes. Under Dr. Helmut Beinert, Wisconsin University, Madison.
*Ikemoto, Noriai*, Electron microscopy of cardiac and skeletal myosins. Under Dr. J. Gergely, Retina Foundation, Boston.
*Kindt, Thomas J.*, Genetics and structure of antibodies to streptococci. Under Dr. Richard M. Krause, Rockefeller University, New York.
*Kong, Yihong*, Regional performance & Geometry of The heart. Under Dr. Henry D. McIntosh, Duke U Medical Center, Durham.
*Kraffoff, Lawrence R.*, Catecholamines, electrolytes and hypertension. Under Dr. Milton Mendlowitz, Mount Sinai Medical Center, New York.
*Lesch, Michael*, Control of cardiac protein synthesis by cardiac work. Under Dr. E. H. Sonnenblick, Harvard University, Boston.
*Ollodart, R. M.*, Clinical and basic research in transplantation immun. Under Dr. Robert W. Buxton, Maryland U. Sch. of Medicine, Baltimore.
*Ozer, Joy H.*, Enzymes & Control of purine & Pyrimidine utilization. Under Dr. E. R. Stadtmann, National Heart Institute, Bethesda, Maryland.
*Sachs, John R.*, Cation transport in red blood cells. Under Dr. Gerhard Giebisch, Yale University, New Haven, Conn.
*Steiner, Alton L.*, Cyclic nucleotides in pituitary heart and lymphocyte. Under Dr. Stuart Bondurant, Albany Medical College, New York.

Tarminia, David F., Studies on recognition and processing of antigens. Under Dr. Robert A. Good, Minnesota University, Minneapolis.

Walsh, Donal A., Role of cyclic 3 x 5-AMP in vascular smooth muscle. Under Dr. E. G. Krebs, California U. Davis, Calif.

Wright, Fred S., Cellular mechanisms of renal potassium excretion. Under Dr. Gerhard Giebisch, Yale University, New Haven, Conn.

Continued Established Investigators

Andriole, V. T., Altered local factors on pyogenic infection. Under Dr. Philip K. Bondy, Yale University, New Haven.

Angell, William W., Semilunar valve grafts for any intracardiac position. Under Dr. Norman E. Shumway, Stanford U. Sch. of Medicine, Stanford.

Atassi, M., Zouhair, Structure & Immunocchmetry of hemo & myoglobins. Under Dr. T. T. Tchen, Wayne State University, Detroit.

Bach, Fritz H., Immunological factors involved in tissue transplants. Under Dr. James F. Crow, Wisconsin University, Madison.


Ball, Michael F., Jr., Biodynamics of obesity. Under Dr. John J. Canary, Georgetown University, Washington, D. C.


Brown, Arthur M., Innervation of coronary arteries and heart. Under Dr. Hiroshi Kuida, Utah University, Salt Lake City.

Brendel, Klaus, Metabolism of lipoprotein-membranes in the heart. Under Dr. Rubin Bressler, Duke University, Durham.


Burgess, Mary Jo, Relationship of ventricular recovery to T wave form. Under Dr. J. A. Abildskov, Utah University, Salt Lake City.

Capecchi, Mario R., Control, assembly and termination of proteins. Under Dr. E. R. Blount, Harvard Medical School, Boston.


Di Girolamo, Mario, Comparative morphology & physiology of fat cell. Under Dr. Daniel Rudman, Emory University, Atlanta.

Dong, Eugene, Jr., Physiological parameters of cardiac replacement. Under Dr. Norman E. Shumway, Stanford U. Sch. of Medicine, Palo Alto.

Eichberg, Joseph, Role of proteolipids and acidic lipids in membranes. Under Dr. Jordi Folch-Pi, McLean Hospital, Belmont, Mass.


Faber, J. Job, Cardiovascular physiology of prenatal life. Under Dr. John M. Brookhart, Oregon U. Medical School, Portland, Oregon.


Fish, Alfred, Pathogenesis of glomerulonephritis. Under Dr. Alfred F. Michael, Minnesota University, Minneapolis.


Franzblau, Carl, Studies on elastin. Under Dr. F. Marott Sinex, Boston University, Boston.

Gewurz, Henry, Clinical & developmental biology of complement. Under Dr. Robert A. Good, Minnesota University, Minneapolis.


Gray, Beulah H., Metabolic changes of leukocytes during phagocytosis. Under Dr. Robert A. Good, Minnesota Univ., Minneapolis.

Guillory, Richard, Mitochondrial energized intermediates. Under Dr. Efraim Racker, Cornell University, Ithaca.


Harris, Paul D., Chronic cardiac electrodes for diagnosis & RX in man. Under Dr. Walter A. Wichern, Roosevelt Hospital, New York.

Harris, Robert A., Mechanism of energy transduction in membrane systems. Under Dr. D. M. Gibson, Indiana U. Sch. of Medicine, Indianapolis.
Henson, P. M., Release of mediators of vascular damage from cells. Under Dr. Chas. G. Cochrane, Scripps Clinic & Res. Fdn., La Jolla.

Ho, Ren-Jye, Control of lipolysis and energy homeostasis. Under Dr. Earl Sutherland, Vanderbilt University, Nashville.

Holloway, Peter, W., The role of lipid in microsomal enzymes. Under Dr. T. E. Thompson, Virginia University, Charlottesville.


Jobis, Frans, Intracellular enzyme kinetics in muscle. Under Dr. D. C. Tosteson, Duke U. School of Medicine, Durham.

Jovin, Thomas M., Kinetic study of the e coli dna polymerase system. Under Dr. Manfred Eigen, Max-Planck-Institute, Göttingen, Germany.


Kemp, Robert G., Control mechanisms in carbohydrate metabolism. Under Dr. Alan H. Mehler, Marquette U. Sch. of Medicine, Milwaukee.


Kuller, L. H., Epidemiology of cerebrovascular diseases. Under Dr. A. Lilienfeld, Johns Hopkins Hosp., Baltimore.


Levin, Judith, RNA and protein synthesis in virus-infected cells. Under Dr. Robert M. Friedman, NCI, Bethesda, Maryland.

Lloyd, Thomas C., Regulatory mechanisms of the pulmonary circulation. Under Dr. Ewald E. Selkurt, Indiana U. Sch. of Medicine, Indianapolis.

Macklin, Martin, Structural & Osmotic regulation in columnar tissue. Under Dr. Donald S. Gann, Case Western Res. U., Cleveland.

Maitra, Umadas, DNA-RNA polymerase reaction in protein synthesis. Under Dr. Jerard Hurwitz, Albert Einstein Coll. of Med., Bronx, N. Y.


Massry, Shaul G., Renal handling and metabolism of divalent ions. Under Dr. Charles R. Kleeman, Cedars Sinai Medical Ctr., Los Angeles.


Miller, Harvey L., Myocardial metabolism in health and disease. Under Dr. William F. Holmes, Lankenau Hospital, Philadelphia.


Nemerson, Yale R., Action of tissue extracts in blood coagulation. Under Dr. Stuart C. Finch, Yale University, New Haven.

Nolan, Stanton F., Development of a physiologic mitral valve prosthesis. Under Dr. Wm. H. Muller, Jr., Virginia University, Charlottesville.


Peakall, David B., Regulation of protein synthesis in a simple organ. Under Dr. Tom J. Cade, Cornell University, Ithaca.

Penniston, John T., Energy transduction in membrane systems. Under Dr. David E. Green, Wisconsin University, Madison.


Preuss, Harry G., Citric acid cycle and renal production of ammonia. Under Dr. H. V. Murdaugh, Pittsburgh University, Pittsburgh.


Richards, Frank F., Studies on structure of antibody combining site. Under Dr. Philip K. Bondy, Yale University, New Haven.

Ross, Charles R., Isolation of carrier-like protein from kidney. Under Dr. I. M. Weiner, Upstate Medical Center, Syracuse.


Rowell, Loring B., Circulatory distribution and energy metabolism. Under Dr. Robert A. Bruce, Washington U., Seattle.

Rubinstein, E. H., Central nervous control of circulation. Under Dr. R. R. Sonnenschein, California U. Los Angeles.

Sandberg, L. B., Biochem studies of blood vessel formation & disease. Under Dr. Keith Reemtsma, Utah U. College of Medicine, Salt Lake City.


Schneider, Jerrry A., Control mechanisms in normal &

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diseased human cells. Under Dr. Boris Ephrussi, Centre De Genetique Moleculaire, France. 
Singer, Donald H., Specialized atrial fibers and atrial arrhythmias. Under Dr. David P. Earle, Northwestern University, Chicago. 
So, Antero G., Molecular mechanism of rna transcription. Under Dr. Wm. J. Harrington, Miami Univ. Miami. 
Sreter, Frank A., Biochemistry & Function red white & cardiac muscle. Under Dr. John Gergely, Retina Foundation, Boston. 
Swenson, Robert M., Cellular mechanisms in secretion of gamma globulins. Under Dr. Sol Sherry, Temple University, Philadelphia. 
Traut, Robert R., Functional & chemical analysis of ribosomal protein. Under Dr. Alfred Tissieres, University of Geneva, Switzerland. 
Villamil, Mario F., Ion exchange & distribution in hypertension & uremia. Under Dr. Charles R. Kleeman, Cedars Sinai Medical Ctr., Los Angeles. 
Werner, Rudolf, The mechanism of DNA replication. Under Dr. James D. Watson, Cold Spring Harbor Lab-Quantitative Biology, Cold Sprg Harbor, N. Y. 
White, Lawrence W., Factors regulating cholesterol biosynthesis. Under Dr. C. E. Carter, Case Western Reserve U., Cleveland. 
Witte, Marlys H., Failure of lymph flow in heart failure and cirrhosis. Under Dr. Oscar A. Thorup, Veterans Administration Hospital, Tucson. 
Wolf, George, Behavioral regulation of blood volume. Under Dr. Tibor Barka, Mt. Sinai School of Medicine, New York.