

Organization Section

M. Alan Permutt—Understanding Diabetes

M. Alan Permutt, MD, understands much of the physiology and pathophysiology of diabetes, but he has yet to understand what causes it. That's something he's been trying to find out for the past 25 years. "I was diagnosed with type I diabetes when I was 16," says the 54-year-old physician. He became interested in diabetes research during his junior year at the Washington University School of Medicine in St. Louis, Missouri, where he is now a professor of medicine.

Trained in molecular genetics, Dr. Permutt has focused his research toward finding and characterizing the genes that cause non-insulin-dependent diabetes mellitus (NIDDM).

One of Dr. Permutt's most significant accomplishments has been to help characterize the role of the human glucokinase gene in NIDDM. The glucokinase gene was first isolated in 1991 by a team of researchers at Washington University. Dr. Permutt was part of a team that later developed a gene marker to isolate defects in the glucokinase gene in diabetic families. Between 1991 and 1993, while screening NIDDM families in collaboration with French researchers, they found a subgroup with just such a defect.

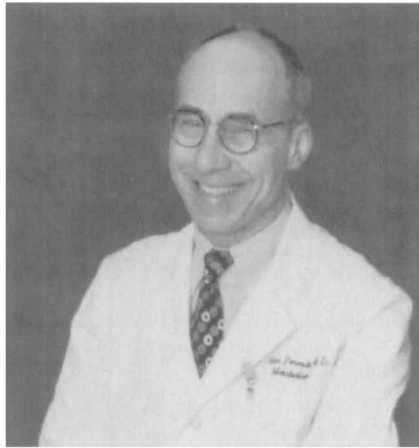
"For the first time, we conclusively showed a genetic basis for maturity-onset diabetes of the young," says Dr. Permutt.

Although people with glucokinase defects make up less than 1% of all NIDDM subjects, this discovery showed that a single gene can result in diabetes even though diabetes is a polygenic, multifactorial disease, explains Dr. Permutt. The finding encouraged many in the field to continue this line of investigation.

His search for diabetes genes even took a member of his laboratory to Africa. Through an ADA research grant, Dr. Permutt has been conducting genetic analyses of NIDDM in Nigerians since 1992.

Because the majority of African-Americans are of West African origin, researchers believe that looking for diabetes genes in black Africans, such as Nigerians, will aid in identifying diabetes genes in African-Americans.

"Genetic admixture makes it difficult to understand the genetic basis for diabetes in African-Americans, so we prefer to



M. Alan Permutt

study Nigerians, who have no Caucasian admixture."

Conducting research in a third world country has proved to be quite difficult for Dr. Permutt. One of the greatest obstacles has been overcoming limited technology and communication. "They don't have simple things like refrigerators and freezers to store samples, centrifuges to spin them down, and fax machines simply do not exist," he says. "It has been a challenge."

Despite these challenges, they have obtained perhaps the largest collection of black African DNA samples being analyzed for NIDDM. Dr. Permutt thinks this collection might be beneficial to investigators doing genetic comparisons of other racial groups susceptible to NIDDM.

Back in the U.S., Dr. Permutt is currently involved in the American Diabetes Association's (ADA's) 2-year GENNID (genetics of NIDDM) study, which started in July 1993. The GENNID's purpose is to build a national database and cell-line bank of information and specimens from families with NIDDM. GENNID coordinators are hoping to gather data from 100 to 200 families.

All investigators will have access to GENNID's data for genetic studies. "It's going to be an extremely valuable resource for the diabetes research community," says Dr. Permutt.

GENNID is pooling resources from some of the leading genetic researchers. Dr. Permutt was chosen out of 72 applicants to head one of eight family acquisition centers with locations in Chicago,

Denver, Houston, Los Angeles, St. Louis, Salt Lake City, San Antonio, and Seattle.

"Dr. Permutt and his team were selected based on the strength of their expertise in the genetics of type II diabetes," says former president of the ADA James R. Gavin, III, MD, PhD. "Alan is certainly one of the leaders who have helped to raise our understanding of the genetics of diabetes to the point where it is now."

Because he is an established researcher, Dr. Permutt serves as a mentor in the ADA Mentor-Based Postdoctoral Fellowship Program. Mentors select one fellow per year for an established time period to assist with projects funded by ADA grants. "Fellows come in with energy, enthusiasm, and a desire to learn," comments Dr. Permutt.

A fellow working with Dr. Permutt chooses his or her research project. The research projects of his four fellows have varied widely, from investigating the candidate genes for NIDDM in humans and studies of the regulation of islet cell gene expression in experimental animals to helping identify the gene responsible for familial hyperinsulinism, which may provide further information about diabetes genes.

"These fellowship awards are extremely valuable," says Dr. Permutt. Every year in a productive laboratory such as Dr. Permutt's, there is more work to do than people to do it, and more people who want to work than money to pay for them. "Fellowship awards allow us to tackle whole areas we would not otherwise be able to do without the personnel," says Dr. Permutt.

As far as discovering what causes type I and type II diabetes, Dr. Permutt believes positive strides have been made since scientists are now using extremely advanced technology, predominately molecular genetics, relative to a few years ago. "I think we are going to find the basis for both of these diseases in the next few years," he says. "Recently, a whole genome search of type I families identified at least one new genetic loci involved in this disease."

Once diabetes genes are identified, researchers hope they will be able to alter genes through genetic manipulation or replace that defective gene with a normal gene to prevent it from causing diabetes.

Dr. Permutt knows firsthand the effects

that advances in research can have on people with diabetes. Improvements in treatment, namely, the use of insulin pumps and intensive insulin management, have aided him in controlling his diabetes.

"I had been using intensive insulin therapy for 10 years before the DCCT," he says. "But I certainly appreciate the fact that the DCCT proved it, because it makes it easier for me to convince my patients."

Dr. Gavin remembers when Dr. Permutt made the conversion to intensive management. "When it became possible to monitor glucose accurately and to wear insulin pumps, Alan became a believer that it was possible to do some things differently than had been done before, and he did it."

—Valerie David

ADA EVENTS

42nd Annual Advanced Postgraduate Course

20–22 January 1995
San Diego, CA

Location: Sheraton Harbor Island Resort
Contact: American Diabetes Association, Professional Education Department, 1660 Duke Street, Alexandria, VA 22314. Tel: 703-549-1500, ext. 212 or 215 for program information; ext. 330 for registration.

32nd Annual Colorado Diabetes/Endocrine Institute

21–26 January 1995

Aspen-Snowmass, CO

Sponsorship: The American Diabetes Association/Colorado Affiliate and the Colorado Society for Endocrinology and Metabolism.
Topics: Lectures and panel discussions on diabetes and endocrinology.

Contact: American Diabetes Association/Colorado Affiliate, 2450 South Downing, Denver, CO 80210. Tel: 303-778-7556; Fax: 303-698-9343.

University of the West Indies Postgraduate Course

23–26 February 1995

Ocho Rios, Jamaica

Location: Jamaica Grande Hotel

Sponsorship: The American Diabetes Association and the University Diabetes Outreach Project, University of the West Indies.

Contact: American Diabetes Association, Professional Education Department, 1660 Duke Street, Alexandria, VA 22314. Tel: 703-549-1500, ext. 212 or 215 for program information; ext. 330 for registration.

Diagnosis and Treatment of Genitourinary Disorders in Diabetes

9–11 March 1995

San Francisco, CA

Location: Hyatt Union Square

Contact: American Diabetes Association, Professional Education Department, 1660 Duke Street, Alexandria, VA 22314. Tel: 703-549-1500, ext. 212 or 215 for program information; ext. 330 for registration.

Diagnosis and Treatment of the Complications of Diabetes Clinical Conference

20–23 April 1995

Boston, MA

Contact: American Diabetes Association, Professional Education Department, 1660 Duke Street, Alexandria, VA 22314. Tel: 703-549-1500, ext. 212 or 215 for program information; ext. 330 for registration.

55th Annual Meeting and Scientific Sessions

10–13 June 1995

Atlanta, GA

Deadline: 6 January 1995 for abstracts.

Contact: American Diabetes Association, Professional Education Department, 1660 Duke Street, Alexandria, VA 22314. Tel: 703-549-1500, ext. 212 or 215 for program information; ext. 330 for registration.

OTHER EVENTS

22nd Annual Scientific Meeting of the Research Society for the Study of Diabetes in India

16–18 December 1994

Hyderabad, India

Contact: Dr. P.V. Rao, Diabetologist, Nizam's Institute of Medical Sciences, Hyderabad 500 482 AP, India. Tel: 91-40-311152; Telex: 425-6478; Fax: 91-40-229316.

5th International Symposium on Insulin and Insulin-Like Growth Factors

3–5 March 1995

Gainesville, FL

Speakers: R. Baserga, R. Baxter, E. Canalis, R. Clarke, D. Clemmons, C. Conover, A. Efstradiatis, J. Fontana, P. Gluckman, E. Holt-huizen, C.R. Kahn, D. LeRoith, S. Melmed, S. Mulrone, J. Olefsky, P. Rotwein, R. Smith, P. Steenbergh, and E. Van Obberghen.

Contact: Derek LeRoith, MD, PhD, Diabetes Branch, Building 10, Room 8S239, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892. Tel: 301-496-8090; Fax: 301-480-4386.

International Symposium: News in Diabetes Management

17 March 1995

Porto, Portugal

Sponsorship: Mediterranean Group for the Study of Diabetes and the Portuguese Diabetes Society

Contact: Prof. José Luis Medina, Endocrinology Unit, Dept. of Medicine 4, Faculty of Medicine, Hospital de São João, Alameda Prof. Hernâni Monteiro, 4200 Porto, Portugal.

5th International Congress on Stress Management

2–6 April 1995

Noordwijkerhout, The Netherlands

Contact: Conference Secretariat ISMA-5, Van Namen & Westerlaken Congress Organization Services, P.O. Box 1558, 6501 BN Nijmegen, The Netherlands. Tel: 31-80-234471; Fax: 31-80-601159. F.J. McGuigan, PhD, Executive Chairman, International Stress Management Association, Institute for Stress Management, U.S. International University, 10455

Pomerado Road, San Diego, CA 92131. Tel: 619-693-4698; Fax: 619-693-4669.

2nd International Symposium on the Diabetic Foot

10–12 May 1995

Noordwijkerhout, The Netherlands

Deadline: 1 January 1995 for submission of abstracts

Topics: Epidemiology, pathogenesis, diagnosis, treatment, and prevention of the diabetic foot

Contact: Dr. N.C. Schaper, Dept. of Internal Medicine, Academic Hospital Maastricht, P.O. Box 5800, 6202 AZ Maastricht, The Netherlands. Tel: 31 (0) 43-876-543; Fax: 31 (0) 43-875-006.

8th Annual General Meeting of the European Diabetic Nephropathy Study Group (An Official Study Group of the European Association for the Study of Diabetes)

19–20 May 1995

Heidelberg, Germany

Contact: Ruggero Mangili, MD, Divisione Medicina I, Istituto Scientifico San Raffaele, Via Olgettina 60, I-20132 Milan, Italy. Tel: 39-2-2643-2325; Fax: 39-2-2643-5090.

3rd Annual International Conference on Diabetes and Indigenous Peoples

27–30 May 1995

Winnipeg, Manitoba, Canada

Deadline: 30 December 1994 for abstracts.

Contact: Canadian Conference Planning Committee, Program & Scientific Subcommittee, 405-800 Portage Ave., Winnipeg, R3G 0N4 Manitoba, Canada. Tel: 204-945-6831; Fax: 204-948-2190.

8th International Conference of the International Federation of Science Editors

9–13 July 1995

Barcelona, Spain

Topics: Philosophy, sociology, and policy in science; science and the science establishment; communicating science to the public; integrating emerging regions into the international network; education in science: why it fails, what to do; electronic and photonic communication; how will the new technologies affect communication of science to the public?

Contact: IFSE-8 Secretariat, Apartado 16009, E-08080 Barcelona, Spain. Tel and Fax: 34-3-4482373.

31st Annual Meeting of the European Association for the Study of Diabetes (EASD)

12–16 September 1995

Stockholm, Sweden

Location: Stockholm International Fairs.
Contact: EASD '95, Congrex, P.O. Box 5619, S-114 86 Stockholm, Sweden. Tel: 46-8-612-69-00; Fax: 46-8-612-62-92.

ADA SCIENTIFIC AWARDS

Banting Medal for Scientific Achievement

Award: To honor highly meritorious career achievement in the field of diabetes research. The highest scientific award of the

American Diabetes Association. Award recipient receives a medal and an honorarium of \$2,000 and will deliver the Banting Lecture at the Association's June Scientific Sessions. The recipient will also have the opportunity to publish the lecture in an American Diabetes Association journal.

Deadline: 1 December 1994.

Conditions: Demonstrated significant, long-term contributions to our understanding of diabetes, its treatment, and/or prevention. Publications and teaching experience are primary factors in the selection process. Nominees must hold an MD or PhD degree; nonresidents of the U.S. are eligible. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Kathleen L. Wishner, PhD, MD, President, American Diabetes Association, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Scientific Achievement

Award: To recognize outstanding scientific achievement in the field of diabetes, taking into consideration independence of thought and originality. Award recipient receives a medal and an honorarium of \$1,000 and will deliver the Lilly Lecture at the Association's June Scientific Sessions.

Deadline: 1 December 1994.

Conditions: Nominee must be actively engaged in the line of research for which the award is to be made. Nominee must hold an MD or PhD degree and must be less than 45 years of age on 1 January 1995. Nominee should be a resident of the U.S. or Canada. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Donald McClain, MD, PhD, chair, Research Grant Review Panel, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Clinician in Diabetes

Award: To stimulate, acknowledge, and reward clinicians for outstanding efforts in the field of diabetes care. Award recipient receives a medal and an honorarium of \$1,000.

Deadline: 1 December 1994.

Conditions: Nominee should be a recognized clinician with many years of distinguished clinical medicine experience and be well-known locally, nationally, and, ideally, internationally. Nominee must be a member of the Association's professional section. The nominee's publication record as it relates to book chapters and review articles, as well as teaching experience, will be considered. Also, the scope of the nominee's clinical practice experience and the influence of the nominee's activities at the local, state, national, or international level are important factors. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Saul Genuth, MD, chair, Professional Practice Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Kelly West Lecture and Award

Award: In memory of Dr. Kelly West, the Council on Epidemiology and Statistics selects the recipient of the Kelly West Lecture and Award in honor of significant contributions to the field of diabetes epidemiology. Award recipient receives a plaque and an honorarium at the Council's June meeting and gives a lecture.

Deadline: 1 December 1994.

Conditions: Research contributions and significance of the nominee's work as it is related to the epidemiology of diabetes and its complications are the selection criteria. Nominees must hold a PhD, MD, MPH, or equivalent degree. Nonresidents of the U.S. are eligible. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Richard F. Hamman, MD, PhD, Council Chair, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

ADA EDUCATIONAL AWARDS

Outstanding Physician Educator in Diabetes

Award: To stimulate, acknowledge, and reward outstanding educational efforts by physicians in the field of diabetes. Award recipient receives a medal and an honorarium of \$1,000.

Deadline: 1 December 1994.

Conditions: Nominee should be an excellent lecturer and/or innovator in the field of education. Nominee should be well-known locally, nationally, and, ideally, internationally. Nominee must be a current member of the Association's professional section. Consideration will be given to the experience and impact of the nominee in the area of professional education, the number of years in the field, the uniqueness of the effort, and how this individual differs from others who lecture or publish. A bibliography that supports the nominee's activity as an educator should be provided. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Saul Genuth, MD, chair, Professional Practice Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Educator in Diabetes

Award: To stimulate, acknowledge, and reward outstanding educational efforts by allied health professionals in the field of diabetes. Award recipient receives a plaque and an honorarium of \$1,000.

Deadline: 1 December 1994.

Conditions: Nominee should be an excellent lecturer and/or innovator in the field of education. Nominee should be well-known locally, nationally, and, ideally, internationally. Nominee must be a current member of the Association's professional section and cannot be a physician. Consideration will be given to the experience and impact of the nominee in the area of professional education, the number of years in the field, the uniqueness of the effort, and how this individual differs from others who lecture or

publish. A bibliography that supports the nominee's activity as an educator should be provided. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Martha M. Funnell, MS, RN, CDE, chair, Education Program Recognition Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Albert Renold Award

Award: To honor an individual who has a career that is distinguished by outstanding achievements in the training of diabetes research scientists or the facilitation of diabetes research by investigators. Award recipient receives a plaque and an honorarium of \$1,000.

Deadline: 1 December 1994.

Conditions: The nominee must have been instrumental in the training of diabetes research scientists or the facilitation of diabetes research. The nominee should have a distinguished career as a mentor. The nominee must have an MD, PhD, or MPH degree or equivalent; non-U.S. residents are eligible. The award is not necessarily given every year. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Kathleen L. Wishner, PhD, MD, President, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

ADA SERVICE AWARDS

Harold Rifkin Award for Distinguished International Service in the Cause of Diabetes

Award: To honor outstanding service in the cause of diabetes that has been performed with an international perspective and with international impact. Award recipient receives a plaque.

Deadline: 1 December 1994.

Conditions: The nominee should be recognized for his/her volunteer service to one or more diabetes-related organizations. Contributions in diabetes research are not relevant, and nominees do not have to be U.S. citizens. Nominees will be judged on the number of years they have contributed to the international effort and by the impact of their effort. The award is not necessarily given every year. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted. No specific academic degree is preferred or required.

Contact: Kathleen L. Wishner, PhD, MD, President, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

C. Everett Koop Medal for Health Promotion and Awareness

Award: To honor individual excellence in wellness promotion and disease prevention. The award specifically is not limited to diabetes-related issues and messages, although such messages will receive priority. Award recipient receives a medal.

Deadline: 1 December 1994.

Conditions: The nominee must have made

a significant contribution to increasing public awareness about lifestyles and activities that pose potential hazards to general good health and well-being. Such effort must have resulted in the general public having a better understanding and acceptance of personal responsibility in ensuring one's own good health. The nominee should be a resident of the U.S. and can come from any arena: education, politics, business, media, sports, and science and medicine. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Kathleen L. Wishner, PhD, MD, President, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Contribution to Camping and Diabetes

Award: To recognize and honor an individual who has made an outstanding contribution to the camping program. Award recipient receives a medal, and \$1,000 will be presented to young campers with diabetes who will be selected by the award winner.

Deadline: 1 December 1994.

Conditions: The nominee shall have made a significant contribution to camping regionally and/or nationally. This contribution should include years of service to the diabetes community, leadership in the American Diabetes Association, attendance at the International Diabetes Camping and Youth Services Conference, involvement in the camp affiliation accreditation process, and authorship of printed materials related to camping. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Ronald P. Monsaert, MD, chair, Programs Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Contribution to Diabetes in Youth

Award: To recognize exceptional contributions of individuals who work with young people with diabetes. Award recipient receives a plaque, and \$1,000 will be presented to the winner's affiliate youth program.

Deadline: 1 December 1994.

Conditions: The nominee must have made significant contributions in working with children with diabetes, and with families of children with diabetes. Consideration will also be given to the nominee's involvement in diabetes program activities, other community activities, and authorship of any printed materials that are related to working with youth. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Ronald P. Monsaert, MD, chair, Programs Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Affiliate Service

Award: To recognize volunteers for meritorious service to an affiliate association.

Award recipient will receive a plaque and an honorarium of \$1,000.

Deadline: 1 December 1994.

Conditions: The nominee must be an outstanding volunteer with a minimum of five years of service. The nominee must be a leader at the affiliate and chapter levels and must be involved in fund raising or as a donor. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: John Allton, chair, Affiliate Associations Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Youth Leadership

Award: To recognize a young adult's leadership within the American Diabetes Association and the community. Recipient will receive a plaque, and \$1,000 will be presented to the winner's affiliate youth program.

Deadline: 1 December 1994.

Conditions: The nominee must be a young adult, 16–21 years old, and actively involved in local and/or national diabetes and youth activities. The nominee must have shown significant leadership at the chapter, affiliate, or national level. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Thomas Lera, MD, chair, Youth Congress Meeting Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Outstanding Fund-Raising

Award: To recognize and stimulate exceptional leadership among volunteers working in the area of fund-raising. Recipient will receive a plaque, and \$1,000 will be presented to the winner's affiliate public support program.

Deadline: 1 December 1994.

Conditions: The nominee must have provided significant leadership in the area of fund-raising in both affiliate and chapter level activities. This leadership should include years of service in developing fund-raising programs, involvement in their implementation, and substantial recruitment for their support. Consideration will also be given to public awareness generated through the activities of the fund-raising program, opportunity to involve media support of the program, and new sources of income generated through the program. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Louis B. Chaykin, chair, Fund-Raising Committee, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Wendell Mayes, Jr. Medal

Award: To recognize outstanding volunteer service in the cause of diabetes. Recipient

receives a medal and an honorarium of \$2,000.

Deadline: 1 December 1994.

Conditions: The nominee must be a non-health-professional volunteer. U.S. citizenship or residency is not required. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Douglas E. Lund, Chair of the Board, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Charles H. Best Medal for Distinguished Service in the Cause of Diabetes

Award: To recognize outstanding service in the cause of diabetes. Recipient receives a medal.

Deadline: 1 December 1994.

Conditions: The nominee should be a non-health professional or a health professional who is being honored for achievements in the cause of diabetes not associated with his/her professional expertise. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Douglas E. Lund, Chair of the Board, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

Addison B. Scoville Award for Outstanding Volunteer Service

Award: To acknowledge a member of the Board of Directors, or other volunteer, who has made an outstanding contribution to the American Diabetes Association. Recipient receives a plaque and an honorarium of \$1,000.

Deadline: 1 December 1994.

Conditions: The nominee must be a member of the Board of Directors or of a national committee of the American Diabetes Association. A copy of the nominee's CV and a detailed letter explaining why the individual merits consideration must be submitted.

Contact: Douglas E. Lund, Chair of the Board, c/o Barbara Akin, Organizational Affairs, American Diabetes Association, 1660 Duke Street, Alexandria, VA 22314.

OTHER RESEARCH AWARDS

National Research Service Award from the National Institute of Aging

Award: \$10,008/year for up to 5 years for predoctoral trainees; \$19,608/year for up to 3 years for postdoctoral trainees. Funds support full-time multidisciplinary research and training activities in all areas of geriatrics and gerontology.

Deadline: 3 January 1995 for 1 July 1995 funding.

Contact: Lori Benz, MSW, Program Associate, The University of Iowa Center on Aging, E323 GH, Iowa City, IA 52242. Tel: 319-356-7569; Fax: 319-353-6343.