

MOMENTUM

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News & Viewpoints
for Eastman Dental Center
Alumni & Friends



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William D. McHugh, D.D.S., Director
Jo Helfer, Editor

From the Director's Chair

Rochester Reunion

I am looking forward to seeing all alumni at the traditional EDC/UR Alumni Reunion to be held during the IADR meeting in New Orleans.

When: Thursday, March 18, 1982
7 to 8:30 p.m.

Where: Mardi Gras Room A
New Orleans Marriott Hotel

Please come by and renew friendships!

Highlights From The Annual Report

I am gratified to report that in 1981 a number of developments occurred which, in the aggregate, have had substantial impact on EDC.

As reported here earlier, the old Dental Center buildings were sold, freeing us from the burden of costs for their upkeep. Further, the last of the loans associated with constructing and equipping the new building have been retired, giving us relief from the high interest rates charged on these loans. Because of the slump in the nation's economy, cuts in federal and commercial support for biomedical research threatened our budget early in the year. Fortunately, several new and substantial research grants and contracts were awarded. These have had an advantageous effect upon our research effort and have brought us close to a balanced budget in the second half of the year.

The Center recorded 42,700 patient visits in 1981, almost equalling the record set the previous year. It is interesting to note that the amount of patient care provided at the Center has doubled over the past decade. Income from patient care rose about 20%. The Center did increase its fee schedule, but most of the dramatic rise in income is due to the fact that a new patient record system has increased our efficiency in billing and collection.

The numbers and especially the quality of applicants to the Center's programs continue at a high level. While all programs are in a state of continuing development and evolution, there have been few major changes during the year. One noteworthy initiative is in geriatric dentistry, however. Under the leadership of Drs. Stanley Handelman

and Gerald Graser, an interdepartmental program involving clinical care for the elderly, with research and academic components, is being developed with the aid of an academic award from the federal government. (An article on the research follows.)

The Center's senior staff has devoted considerable time and effort to strategic planning for the '80s. All programs are being reviewed and other external and internal factors are being analyzed. We anticipate that an initial draft of a plan for the next decade will be completed within the next few months.



In addition to research in geriatric dentistry, some highlights of the Center's clinical projects and laboratory studies follow:

- A study in low-fluoride towns in the Southern Tier showed that brushing and flossing the teeth immediately prior to fluoride rinsing does not significantly enhance the effect of the rinsing.
- Comparison of daily mouthrinsing with one of two fluoride solutions—stannous fluoride and sodium fluoride—showed that the initially superior plaque-inhibiting effect of the stannous fluoride was not maintained over the three years of the study.
- Routine use of fissure sealants on large populations is not cost-effective, but their use in high-risk populations and high-risk individuals probably is.
- Laboratory studies of enamel apatite have shown that it can be made less acid-soluble by substituting sodium, strontium, zinc, magnesium or fluoride for the carbonate in the crystal lattice. Strontium, zinc and fluoride

Continued on page 2

Annual Report . . .

Continued from page 1

enhance remineralization of caries lesions in enamel.

- Foods with a high oil or fat content do not depress the pH of dental plaque or promote caries, even if they contain much sugar or other fermentable carbohydrates. The mechanism of action is mainly by preventing retention of the foods on and around the teeth.
- The elements selenium and zinc inhibit the growth of the bacteria *Streptococcus Mutans* which are associated with dental caries.
- A retrospective long-term study has shown that orthodontic tooth movement has no detrimental effects on the bone and soft tissues supporting the teeth.
- Treatment of diseased root surfaces by citric acid exposes the collagen matrix and promotes healing and reattachment of the soft tissues. Achievement of this goal has long been an elusive aim of periodontal therapy.

The Capital Campaign wound down at 80.6% of goal, with pledges totalling \$2,826,686. Because of the economy and other concurrent campaigns in Rochester, we do not find the result too unsatisfactory. An annual giving campaign will be introduced in 1982 and, while major contributions will surely be most welcome, unpretentious gifts will be sought vigorously, with the expectation that contributions to EDC will become an active item in the annual budgets of former and new donors.

Finally, the Center's Board approved major changes in the way the endowment portfolio is managed. We expect the change will give increased income from the endowment, while the endowment itself grows.

Research

Research in the Department of General Dentistry is varied. An overview of the department's current interests follows.

Geriatric Dentistry

*"I wasted time, and now doth time waste me."
King Richard II*

After Ralph Hamlin Saunders graduated with a B.A. in zoology from DePauw University in Greencastle, Indiana, he worked in a hospital laser lab at the University of Cincinnati. The director of the lab was a dermatologist whose brother was a dentist. "Doing things with teeth in the lab helped point me on the way to dentistry," he says.

He received his D.D.S. from Ohio State University Dental School in 1974. He then joined the Department of Clinical Dentistry at the University of Rochester School of Medicine and Dentistry where he rose in rank from assistant and fellow, to instructor, to assistant professor.

When, during that time, the University of Rochester needed to enrich the dental service for Monroe Community

Hospital, a Rochester facility devoted to the care of the aged and chronically ill, there was a need for someone to work there and expand their service, including the use of residents in dentistry. Lin thought he would like the challenge and decided to "give it a try." He was appointed director of the dental clinic at Monroe Community Hospital.



In 1979, Lin entered the General Dentistry program at EDC; he received his certificate in 1980.

He was recently awarded the Geriatric Academic Award by the National Institute of Aging. The award is for approximately \$200,000 for a five-year period.

Lin says, "Today in the United States there are 26,000,000 people over the age of 65. That's ten to eleven percent of our population. By the year 2,000, 12½% will be elderly. By the year 2020, there will be more people over the age of 65 than under the age of 25."

An elderly person is commonly defined as someone over the age of 65, but the definition is refined by speaking of "the young elderly and the old old."

The award has several aspects. One is to encourage development of a quality curriculum in geriatrics. Such a course is being given at the Center this semester. Another is to provide clinical opportunities to treat the elderly. Such opportunity exists, of course, at Monroe Community Hospital. Lin also expects that the number of elderly people treated at EDC will increase and says that there are plans to develop a geriatric clinic here for half a day a week. Towards that end, he and others have begun working with the Monroe County Office on Aging.

A third aspect of the award is to conduct research on geriatric dentistry. In addition to Lin, the members of EDC's geriatric task force are: Stanley Handelman, chairman of the Department of General Dentistry; Gerald Graser, chairman of the Department of Prosthodontics; Dennis Leverett, chairman of the Department of Community Dentistry; Sean Meitner, clinical and research associate in the Department of Periodontics; and John Featherstone, senior research associate in the Department of Caries Research. Also working on research activities are Jay Pivor, a postgraduate fellow on the project, and Jean Baric, trained in dental public health. Lin calls them "a research oriented group to deal with developing possibilities for research in geriatric dentistry at EDC."

Lin says, "There has been little solid research into the dental status of the elderly. We are exploring several things. A preliminary survey suggested there is a possibility that retention of teeth may be related to longevity. We will use

Continued on page 3

Geriatric Dentistry . . .

Continued from page 2

color video equipment to study the perception of the elderly by the dentist and the perception of the dentist by the elderly. June Glaser, EDC's librarian, has helped, providing informational support and coordinating the acquisition and use of audio-visual equipment. In addition, we will be looking at new strategies for teaching nursing staff to provide oral hygiene care for elderly patients and possible relationships between dental condition and ability to chew and good nutrition."

Lin speaks calmly and knowledgably. He is attentive to questions. When asked about dental needs and provision of care for the elderly, he answers, "The need for care is considerable. Currently, almost half of all elderly are edentulous and those with teeth remaining have more serious periodontal disease than any other group. Dental care needs will likely increase since more teeth are being retained longer. There are some differences in care delivery compared to other groups. They include, perhaps, a greater emphasis on adapting to functional requirements and individual interests of patients and overall treatment planning, as well as some technique differences. Aging people, especially, must know individual attention is being given them. They must be given the ability to act with discretion and maintain individual dignity."

At the termination of the award, it is anticipated that EDC's program will be self-sustaining and will generate further research in geriatric dentistry.

A four-year \$100,000 grant from Corning Glass Works was recently awarded to Drs. Øivind Jensen, assistant chairman of the department, and Stanley Handelman to evaluate the clinical performance of a new castable glass-ceramic material suitable for full coverage crowns and multisurface inlays-onlays.

The department is also involved in several ongoing research projects.

Drs. Stanley Handelman, Bejan Iranpour, and Eric Solomon, and Ms. Phyllis Brunette are studying the relationship of predictor criteria accompanying applications (grades, class rank, letters of recommendation and personal interview) to performance during and after the program.

A number of projects, funded by the federal government, are in final stages. When the data are analyzed, papers will be prepared for publication.

- Drs. Jensen and Handelman are completing a one-year grant from the FDA, Bureau of Radiological Health, that investigated the efficacy of periodic bitewing examinations in private offices of general dentists and pedodontists in Monroe County.
- Phase II of a grant on the effect of fissure sealant on the progress of dental caries has compared the retention and caries prevention clinically and radiographically of Delton and Nuva-Cote.
- Dr. Jensen is principal investigator on a study to assess the wear of four different sealants *in vivo*.

Alumni News

Reg Andlaw, Pedo '58, M.S. '60, writes from England: "I recently met **Bahram Javid**, Pedo '58, in London. He is Dean of the Dental School, Shiraz, Iran, and keeping fit and well despite present difficulties in his country./I was appointed Clinical Sub-Dean, University of Bristol Dental School, April 1981./I will soon have a book, 'A Manual of Pedodontics,' published by Churchill Livingstone, Edinburgh."

Lawrence S. Harte, Ortho '62, has been appointed assistant professor of orthodontics at the New Jersey School of Medicine and Dentistry and is director of its TMJ and cleft palate program at St. Barnabas Medical Center in Livingston, New Jersey.



News of **Charles (Bill) Oakes**, 'Ortho '64, and his family comes in a newsy Christmas letter from his wife, Carol. She writes: "Bill continues to be busy in his practice . . . He received a special award this year from the graduating orthodontic students at Baylor Dental College. It is called the 'Robert E. Gaylord award' and is given to the instructor that the students feel has been the most outstanding. He continues to keep up his running and enjoys fishing, when he has a chance!"

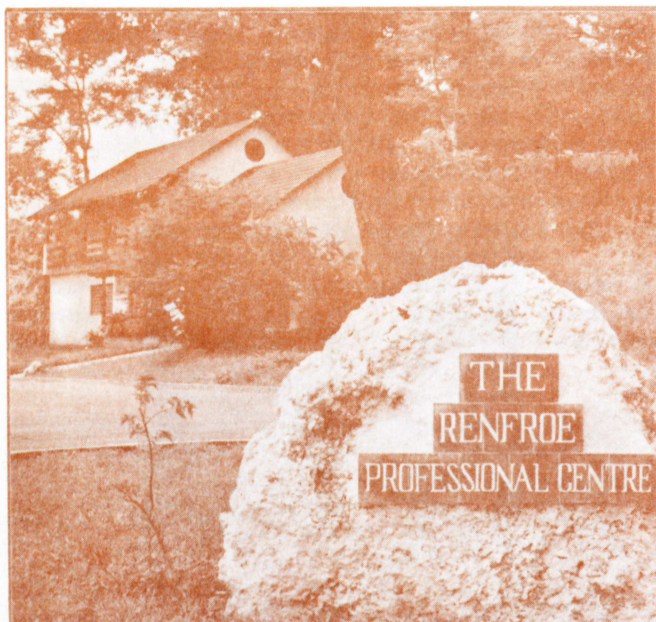
Howard Stein, GenDen '72, Pedo '74, and **Minna Stein**, GenDen '72, write: "Howard is in solo practice in Scarborough, Ontario, a suburb of Toronto. He is also teaching in the Pedodontic Department at the University of Toronto. Presently, he is very involved in organizing the registration for the International Association of Dentistry for the Handicapped Convention to be held in Toronto in July 1982. Minna is currently teaching restorative dentistry at the University of Toronto as well as being the dental consultant at Seneca College of Applied Arts and Technology dental programs. Her private practice is located in Richmond Hill, Ontario."

Jay Gershen, GenDen '73, associate professor of pediatric dentistry, public health and preventive dentistry at UCLA School of Dentistry, is one of six fellows invited to spend a

year in Washington, D.C., as a Robert Wood Johnson Health Policy Fellow. He is the only dental educator chosen for the 1982/3 term. Fellows spend the initial months meeting with people who help formulate health policy: White House advisors; administrators of agencies involved in health activities; Congressional committee staff members; and representatives of health interest groups. They then work on health issues in a legislator's office or an executive branch health office.

Henry Gellert, Ortho '75, says, "In addition to private practice in Newtown, Ct., I am director of the orthodontic department at Danbury Hospital. Bea and I have two children: Erika, two and a half; Andrew, a year and a half. We live happily in Connecticut."

Robert L. Mandell, GenDen '76, is now in the Department of Periodontics at Emory University in Atlanta.



Ron Ramsey, Ortho '77, writes from Barbados, "I would like to express my appreciation for the ongoing publication of the EDC newsletter as it keeps me in touch with the place at which I spent two of the most enjoyable and challenging years of my life./I feel it may be of interest to past and present orthodontic students to learn that Dr. Earl Renfroe has kindly consented to the naming of a new professional centre in Barbados after him. Dr. Renfroe is an outstanding pioneer in the field of orthodontic technique and has written a text which is widely considered to be the bible of orthodontic technique training. Dr. Renfroe has the added distinction of being the first black orthodontist as well as the first black professor of orthodontics in the world./ It has been my honour and privilege to have known him since I was a small boy and to have been encouraged by him in my pursuit of a career in orthodontics." Dr. Renfroe was Dan Subtelny's teacher and was present when Ron Ramsay received his Ortho certificate at EDC.

Patrick Treasure, GenDen '77, M.S. '81, and Deborah are "delighted to announce the birth of our daughter, Megan Patricia, who was born Friday, December 11, 1981, in Seattle, Washington. She was 7 lbs., 4 oz., and 19½ inches long. Parents and daughter are thriving!"

Vahid Golpayegani, Pedo '78, M.S. '80, and **Fatemeh Faroozesh Banej**, GenDen '73, Pedo '75, M.S., '76, Ortho '78, send greetings and all good wishes from Tehran, Iran.

James M. Rozanski, GenDen '78, says, "My wife, Joanne, and I had a beautiful baby girl, Amy Lynn, on November 15, 1981, weighing 7 lbs., 8¼ oz."

Dov Almog, Prostho '80, stopped at the Center when he and Carol were on a visit to Rochester from their home in Israel. Dov is medical director at the Institute for Dental Health in Tel Aviv and looks very well.



Harold Kolodney, Jr., GenDen '81, left, now a postdoc at The Genesee Hospital, and Steven Klein, also a postdoctoral student there, and Lisa Kelsey find music's charms.

Board of Trustees

Paul W. Briggs, Chairman and Chief Executive Officer of Rochester Gas and Electric Corporation, has been elected President of the Board of Trustees.

G. Robert Witmer, Jr., a member of the law firm of Nixon, Hargrave, Devans & Doyle; and Max Farash, President of Farash Construction Corporation, were elected vice presidents. Mrs. Richard U. Wilson, a prominent civic leader, was elected Secretary. Richard H. Eisenhart, Jr., President of R. H. Eisenhart, Inc., was elected Treasurer.



MEMBER PUBLICATION
AMERICAN ASSOCIATION OF DENTAL EDITORS

Staff News

STAFF NEWS

Jack Caton, Senior Clinical and Research Associate in Perio, became a Diplomate of the American Academy of Periodontology.

William D. McHugh, Director, has been elected a Fellow of the American Association for the Advancement of Science. He was cited "for research in periodontology and for contributions to dental health and education."

Barbara Diamond, who started working at EDC on December 30, 1957, left the Center on Friday, February 12. She accepted a position as a histotechnologist in a small hospital on the north shore of Long Island.

In addition to her scientific career as a laboratory technician in the Department of Periodontics, she has been a political activist and worked as a legislative aide to former Assemblyman Don W. Cook for four years. In 1975 she ran on the Republican ticket for the 23rd District seat in the Monroe County Legislature. She says, "when my new job permits, I may resume my political activities."

Barbara adds, "I'm looking forward to being nearer the Metropolitan Opera, close to the Long Island Sound and living in a more moderate climate. But, without question, I will miss the many friends I have made over 24 years at the Center."

The Center hosted a party for Barbara before she left. Her many friends came to wish her well.

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EDC poly/silk ties, \$16.50 each, postpaid.

Your choice of a navy blue or red background, figured with a shield bearing a caduceus.

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Subtotal _____



\$16.50 each

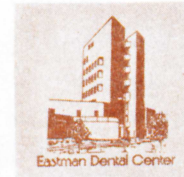
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Subtotal _____



\$5.50 each

I'd like to be pinned!

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Gold filled, tie-tack back, 3/4".

Quantity _____

Subtotal _____



\$15.00 each

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