

MOMENTUM

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News & Viewpoints
for Eastman Dental Center
Alumni & Friends

EDC

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Rochester, New York
William D. McHugh, D.D.S., Director
Jo Helfer, Editor

Commencement

EDC's 1986 commencement fell, as it traditionally does, on the second Friday of June. This year's 29 graduates marked the celebration with happy excitement.

William D. McHugh, EDC's director, opened the ceremony saying, "Each year we invite a distinguished individual to present our commencement address and this year we have selected a man whose distinctions in dentistry are unsurpassed. Dr. Basil G. Bibby was born and received his dental degree in New Zealand before studying microbiology in Rochester, where he received his Ph.D. in 1935. After ten years here, he was recruited to Tufts College Dental School in Boston as dean and was there for eight years until he returned to Rochester in 1947 to become the second director of Eastman Dental Center.

"To give you a perspective, this institution was founded in 1915. The first director lasted from 1915 to 1946. When Basil arrived in Rochester, this institution was basically a dental clinic for children. Basil moved quickly and firmly to start research and educational programs at the Center and to establish closer collaboration with the University of Rochester.

"It's the finest tribute of all to his vision that the institution continues today along very much the lines he established and started on nearly forty years ago. Since he retired as director in 1970, Basil has devoted his formidable energies to research and teaching. . . He's been a towering figure in dental research and I think his role is nicely summed up in *The Dental Annual 1986*, 'His original experiments set the pace for all the most successful methods yet discovered of preventing dental caries.'

"We are all very, very proud of Basil Bibby, deeply grateful for what he has done for Eastman Dental Center, and eager to hear some more of his words of wisdom."

Life and Livelihood

It's a rather unique occasion for me to stand in this auditorium, where I frequently talk upon subjects of my interest, and find almost every seat occupied. I waited quite a long time for this privilege and I've got to thank Bill (McHugh) for providing it for me. Another thing in the introduction which Dr. McHugh didn't mention is that I'm really here because of his tolerance letting an old man putter around in the laboratories. I enjoy the opportunity and appreciate his generosity and that of the trustees in allowing me so to continue.

On occasions like this we are supposed to address remarks to those who are leaving us. I have tried to do the same, but having a wandering mind, I may well wander off into other subjects. First of all, I've got to congratulate those of you who are finishing your assignment here, for undertaking the extra mile to do work and study beyond what was required of you. This is a thing not everybody does. Sometimes the reasons for doing it are varied.

There is a statement attributed to someone at Harvard



Basil G. Bibby, B.D.S., Ph.D., D.M.D.
1986 Commencement Speaker

University that the purpose of higher education which you've just gone through, I trust, is to delay too early competition from the young. I think perhaps there is more to it than that. I've chosen as my title, *Life and Livelihood*, the idea behind it being that up to this point, probably in your educational development, you have been really having your education as much for a livelihood as for life—in terms of leading a full life and a life of maximum enjoyment. . .

The best definition or the best explanation of the purpose of higher education came to me when I entered high school. Since that time I have had the opportunity to sit on committees with various university trustees, ministers of education, and people of that sort, but I've never heard what I felt was a more comprehensive definition of higher education than that given by my then teacher, Rose Smith. She was a sort of desert rose "born to blush unseen" in a small country town in New Zealand where the only eligible man who, just after he'd gotten engaged to her, got taken away by the flu epidemic. She asked us, the 30 boys and girls (as I said it was a small high school) why did we come into high school. We had various reasons for doing so. We wanted to become better farmers, or a nurse, or go on to prep school, and become teachers.

She said, "Now I don't like any of those. The purpose you should get out of your further education is to learn to appreciate, to learn to appreciate."

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Dan Glowinsky, Pedro, is in private practice in Rochester and also practices at The Genesee Hospital.



Front row, from the left, GenDen's Jeni Lazier is now in the second year residency program at The Genesee Hospital, and Michel Kenig is in a geriatric dentistry program at the University of Minnesota. Behind them are three Ortho graduates, Paul Supan, who has associated in Spencerport, NY, Geoffrey Kopecky, who now practices in Rancho Palos Verdes, CA, and Larry Hutta, who has opened a practice in Worthington, OH.



Grace Wong (left), principal harpist with the Rochester Philharmonic Orchestra, elegantly played the commencement musical interlude. She is seen here talking with Max M. Farash, president of the Center's Board of Trustees, and Mrs. Farash. Behind them are EDC's director, William D. McHugh and Dr. Bryant Rossiter, trustee.

Ortho's chairman, Dan Subtelny commented, "Grace Wong can do so much with wires, she could even be an orthodontist!"

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And I think what any major education gives is that it increases your appreciation . . . and from the time when I left high school, and when I finished my formal education, I can happily say that my appreciations expanded. And I like to think they are still expanding. . .

One of the areas my appreciation has expanded has been in the world of the arts. Again, as a small town boy in a small country growing up in a small university I hadn't had much exposure, had no exposure to opera and ballet and some of these things. But over the years, I learned to appreciate those. And I learned the trick of opera which is really an amazingly crazy formalization. The trick is that you realize it's crazy and let yourself go and enjoy it! Sometimes I understand a little of the Italian, but most of the time, I don't. But I understand the emotions and I understand what's going on. And I do appreciate that. I could go on for painting, ballet, and other areas of concern. . .

I also learned to appreciate people to a greater extent. People, I would say perhaps, such as we've seen coming to this institution, to this environment. . . including the busy men and women who give their time to serve on our board. . .

Actually, the area that I think I've developed the most, the greatest appreciation is in the area of history. The great sweep of history often represents the affairs of man. Certain things occur to me. One is how little man has changed. And one is the extent to which leadership has determined what's happened in that area. The fact that man to me seems so little different from what he was in the earlier stages was brought home to me one time in northern Britain. Some cousins took me up to the site of one of the megalith Druid circles situated there in a natural bowl in the hills at sunset. The greatest artist of the day could have no more skillfully placed that megalith. There was combined in one place art and science and construction. Likewise, one day in a museum in Australia, I ran across the artistic efforts of Australian aborigines—the art, the skill, the colored patterns they'd cut with



Rosemary Kloap-Clay, Pedo, is now in private practice in the Wilmington, DE area, with her husband, Timothy.



Mark Ewing, Ortho, exchanging addresses with Felix Sippel, GenDen. Mark has started a clinical fellowship at the Hospital for Sick Children in Toronto and a Master's program at the University of Toronto. Felix is in private practice in Germany.

crude instruments! So I see man hasn't changed, but the fact he hasn't changed is very much as important from another point of view. Man is still the emotional creature he was way back in the time of the aborigines or the megaliths.

I think it's instructive in this time of technology and science to look a little bit at the way the emotional side, the psychological side still plays its part. I think we can safely say that emotion rather than science, or emotion rather than knowledge, shapes the world. We can see danger signs of emotion, for instance, the danger at the present between the United States and Russia. It's an emotional manifestation. It's not based on facts and reason. That's only one extreme example.

Scientific decisions are not, to the extent we think, made on the basis of pure science. That was brought home to me in the early days when the electron microscope was a new instrument. I sat with a group of people who actually were of international renown. Nobody really knew how the equipment worked. But one person gave a description. He was a person of "personality plus," and explained in great detail the principle on which it worked. Another person of a more modest sort explained it more quietly. Everybody there agreed with the good voice, the good speaker. No one, I found out subsequently, had the right explanation. . . I'm impressed that science isn't entirely free of outside influence. An example of subliminal effects of preconceived ideas or knowledge was given in a test many years ago at Stanford University. A series of blood count slides was circulated to technicians, suggesting this, suggesting that, as possibilities. Then results were sent to the statisticians to balance. The errors were all on the side of the suggested diagnosis. Something had influenced their consciousness to make them more susceptible to what they thought the results would be. . . science is the tool we live with and harbor. It has not been without bringing its problems into the world. . .

Another thing that also struck me in my historical development was the power of leadership, how leaders appear, how

crises develop leaders. . . Even in these early civilizations they had definite patterns for choosing their leaders. Those now, I'm afraid, are spoiled by modern technology. Radio gave us Hitler. Television gives the person who seems to have the most money to spend. . . I have no solution except that we watch.

I now come to dentistry. Dentistry is facing problems too. Dentistry is a profession. . . In former times there was the aristocracy of birth and part of aristocracy was to carry the commitment of leadership. That select group doesn't exist here. I am happy to say, however, that there is the raw material for people to carry on. There are the professions and the teaching people. You as members of this profession are in line to accept that responsibility. You have some challenges of your own profession as you know, and I don't need to tell you what they are. Where does that leave us? It leaves us with the fact that there is an obligation, a special obligation outside the profession of money making, or outside a livelihood. It's also a commitment to leading a fuller life. This possibility is open to everybody. Most of us don't have an opportunity to become a leader, but we all have an opportunity to make our little corner of the world a little better, and I close in wishing you good luck and at the same time imparting the best instruction to make your little corner of the world a little better for having been in it.



MEMBER PUBLICATION
AMERICAN ASSOCIATION OF DENTAL EDITORS

Board of Trustees

Donald A. Henderson, M.D., dean of The Johns Hopkins University School of Hygiene and Public Health of Baltimore, MD, and Kay R. Whitmore, president of Eastman Kodak Company, have been elected to EDC's Board of Trustees.

Dr. Henderson received his medical degree from the University of Rochester School of Medicine and Dentistry in 1954, after doing his undergraduate training at Oberlin College. He joined the Communicable Diseases Center of the Department of Health, Education, and Welfare and was chief of its smallpox eradication program when he left in 1966 to become chief medical officer for smallpox eradication for the World Health Organization. He has been at Johns Hopkins since 1977. In March Dr. Henderson received the National Medal of Science from President Reagan, the highest scientific award given by the president of the United States, for his work in the eradication of smallpox. His other honors include a special Albert Lasker Public Health Service Award for smallpox eradication, the public welfare medal of the National Academy of Sciences, and the Albert Schweitzer International Prize for Medicine. He serves on many professional committees and sits on the boards of the Indian Institute of Health Management Research, Inc., the Maryland Society for Medical Research, Inc., the Population Crisis Committee, and Physicians for Social Responsibility.

Mr. Whitmore, a native of Salt Lake City, UT, received a B.S. in chemistry from the University of Utah and a Master's in management from the Massachusetts Institute of Technology (MIT). He began his Kodak career in 1957 as an engineer. In 1969, he was transferred to the film emulsion division as a product engineer. He was sent to Guadalajara, where he was involved in the planning and start of the company's Mexican film manufacturing plant. He returned to Rochester in 1973 and a year later was awarded a prestigious Sloan Fellowship for study at MIT. In 1975 he was elected an assistant vice president of Kodak; three years later, a vice president; and in 1981, an executive vice president. In 1983 he was elected president of the company. He serves on the board of The Chase Manhattan Corporation and Chase Lincoln First Bank, N.A., the Industrial Management Council, and the National Action Council for Minorities in Engineering, Inc. He is a member of the board of the Chamber of Commerce, and is also a member of the Society of Photographic Scientists and Engineers, and the Otetiana Council of the Boy Scouts of America.

Bryant W. Rossiter Testimonial

Dr. Bryant W. Rossiter joined EDC's Board in 1974, and served as president from 1979 through 1981. He earned both his bachelor's and Ph.D. degrees in chemistry from the University of Utah. In July, he retired as director of science and technology development, Research Laboratories, Eastman Kodak Company, to become president of Viratek, Inc., a nucleic acid development company in Costa Mesa, CA.

Happily, he will continue on the Center's Board. He says, "Part of my agreement with the company was that I might continue to serve the Center."

On August 12, there was a gathering at the Center to honor Bryant Rossiter.



From left to right, Betty (Mrs. Bryant Rossiter), Bryant Rossiter, daughter Karen, son Mark and his wife, Valerie.



Board president Max Farash said, "Bryant and I often go horseback riding together. We often discuss—and settle—the problems of the world!"



Trustees snapped at the testimonial were, seated: Wilfred Springer, Max Farash, Bryant Rossiter, Janet Forbes, Robert Berg; standing, James T. Henderson, Donald Henderson, Robert Witmer, and Donald Gaudion.



Trustee Kay Whitmore said, "Bryant and I have known each other for thirty years, since we were both students at the University of Utah. He was getting his Ph.D., when I received my bachelor's. He urged me to go on for a doctorate, saying higher education was necessary for success."



Trustee Donald Henderson talked about his sitting with Bryant Rossiter on international committees. He commented on his friend's encompassing grasp of complicated ideas. "When Bryant talks about biology, biologists think he's a professional; when he speaks about medicine, physicians claim him as their own."

Staff News

In Memoriam

John A. Oster, D.D.S., M.S., senior clinical associate in the Department of Prosthodontics, died May 8.

Jack, who received his dental degree from the University of Michigan, was the first graduate of the Center's program in prosthodontics. His father was a dentist. His son, Charlie, also a graduate of the prosthodontic program, serves as a clinical instructor in the department.

The Eighth Annual Allen A. Brewer Prosthodontic Conference, held at the Center in June, was dedicated to Jack's memory. Dr. Gerald N. Graser, chairman of the Department of Prosthodontics, said to the alumni and friends who gathered, "I'm sure you all met Jack. He was so easy to get to know and so very easy to like. Besides being such a good prosthodontist and such a caring person, he taught me something else, to make the most of life."

"If you were down and Jack came along, he would just pick your spirits up. He always had a smile, that cheerful, deep voice, and a firm handshake for the guys or a kiss for the ladies."

Jack was a dedicated and compassionate clinician and an inspired teacher who never lost his love of learning. He was a warm, witty, and gentle man. He left us too soon.

The John A. Oster Fund has been established at the Center in his memory.



John. A. Oster, D.D.S., M.S.

Development

Annual Giving

The Eastman Dental Center 1985-86 Annual Giving Campaign again attested the institution's national and international scope when 319 contributors from 21 countries and 31 states donated over \$64,000 in cash, pledges, and in-kind gifts. G. Robert Witmer, Jr., a vice president of the Center's Board of Trustees, chaired the campaign. Mr. Witmer's skilled committee included his fellow trustees Max M. Farash, president, Thomas H. Gosnell, James C. Henderson, Louis A. Langie, Jr., secretary, Wilfred A. Springer, and Edward T. Wentworth, Jr.; and senior staffers, Steven M. Adair, and John D.B.

Featherstone. Malinda Fischer aided the committee.

The generosity of donors to the Annual Giving Campaign enabled the Center to award fellowships to Izchak Barzilay for studies on dental implants; to Mikael Kautsky to study remineralization of caries lesions under fissure sealants, and to Richard Levy to continue his work on streptococci in dental plaque.

Listed below are donors from May 1, 1985 through April 30, 1986. Some donors prefer to remain anonymous. The Eastman Dental Center is deeply grateful to its supporters.

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Memorial gifts were designated to honor:

Estelle Handelman

(A contribution in her memory by Dr. Sanford L. Biars partially funded a geriatric workshop held in April.)

John A. Oster

Richard L. Turner

Edward N. Gilda Memorial Fund

Dr. Donald Baxter, senior clinical associate in the Department of Orthodontics, chaired the Edward N. Gilda Memorial Fund to honor the son of Ed and Chell Gilda. Dr. Baxter said, "Since both Ed and Chell have contributed much throughout their lives to education in the health sciences and since Eddie was an outstanding student in college and medical school, it seemed that a memorial in the area of education was an appropriate

tribute to the family. With this in mind, a memorial to Edward N. Gilda was established to refurbish and redesign the Department of Orthodontics conference room and library."

The renovated room was formally dedicated at the EDC Orthodontic Association biennial meeting in June.

Contributors to the fund are listed below.

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Other News _____

What features would you be interested in seeing in MOMENTUM? _____

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Research

Recent Thesis

After Ros Harrison received her dental degree from the University of Saskatchewan, she practiced in Canada for three years and then went to England as a lecturer at the London Hospital Medical College Dental School, where she "did some teaching and treating patients." She found she enjoyed teaching, and wanted to do research and enter a specialty program. A senior lecturer in her department, Ron Brandt, Pedro '66, mentioned EDC to her. John Roberts, Pedro '78, also "talked positively about Eastman."

Ros says, "I was accepted at other programs, but chose Eastman. It bodes well that mentioning you were at Eastman opens a lot of doors!"

Ros is now an assistant professor of pediatric dentistry at Dalhousie University in Halifax, Nova Scotia. She says, "I spend forty percent of my time teaching, forty percent at research, and work the rest of my time at a mobile clinic, like the Center's Smilemobile."

She is continuing her work with the diabetic population "focusing on the more significant results of the work done in Rochester and trying to do a longitudinal rather than a cross-sectional study." She is part of a group working on a pilot study of a new medication for diabetes. Ros approached the people working on the study and "they are glad to have a dentist on the team."

Ros says she's developed an interest in music and the theater and still enjoys running and cross-country skiing. "The Maritimes," she adds, "is a beautiful place for cycling."

Ros Harrison won a graduate student research award from the Academy of Pediatric Dentistry, and presented her findings at the annual meeting in Colorado Springs in May 1986.

Her thesis advisor was William H. Bowen, B.D.S., Ph.D.

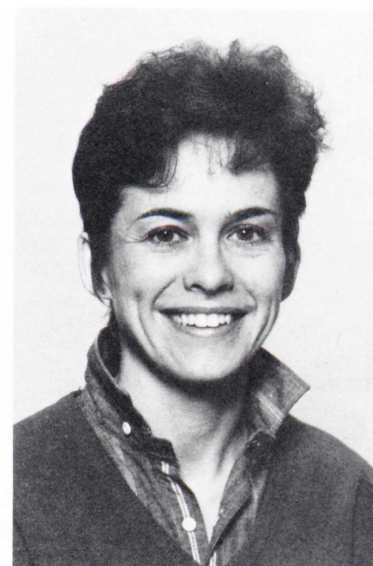
Dental Health, Salivary Factors and Metabolic Control in Insulin-Dependent Diabetic Children

by
Rosamund Louise Harrison

ABSTRACT

The purpose of this study was to evaluate the influence of diabetes on oral health and salivary gland function in diabetic children and adolescents. Thirty diabetics (aged 4-19) were age- and sex-matched with 30 healthy children. Fourteen well-controlled and sixteen poorly-controlled diabetics were included

Rosamund L. Harrison,
Pedro, M.S. '85



in the study; control was assessed by determining the percentage glycosylated hemoglobin (HbA_{1c}, normal 5-7.5mg percent), presence of complications and annual growth rate. Prior to an oral examination, stimulated whole saliva was collected and assayed on day of collection for lysozyme (LZ) and glucose, and inoculated onto selective media for isolation of *S. mutans*, *Candida* and lactobacilli. Total protein, IgG, IgA, peroxidase activity (PDX), lactoferrin (LF), and bound hexose were also determined. Data were analyzed by analyses of covariance and Spearman correlations.

Poorly-controlled diabetics demonstrated a significantly increased gingival index ($p=0.05$), plaque index ($p=0.02$) and salivary glucose concentration ($p=0.003$), but a significantly decreased flow of saliva ($p=0.02$). In general, poorly-controlled diabetics had enhanced bacterial populations. Elevated immunoglobulin and total protein concentrations in poorly-controlled diabetics were attributed to a concentrating effect resulting from decreased salivary flow. Significantly increased LF concentration ($p=0.009$) in poorly-controlled diabetics demonstrated that there was an association between poor metabolic control of diabetes and disturbed production of lactoferrin by salivary glands. The activity of lysozyme and peroxidase in saliva was not associated with presence of diabetes or degree of metabolic control. Increased bound hexose in poorly-controlled diabetics suggested enhanced glycosylation of salivary proteins.

Results of this study indicate that periodontal health and salivary gland function are adversely affected in poorly-controlled insulin-dependent diabetics.

ning dental education and clinical professor of periodontics at the University of Pittsburgh, presented *How to expand your crown and bridge practice through the use of endosseous implants* in Williamsport, PA in February. In March he was in Puerto Rico to present *Periodontics for the general practitioner* and *Endosseous dental implants* at the University there. At the Carl O. Boucher Prosthodontic Conference in Columbus, OH, in April he presented *Implants in prosthodontic practice*.

Ted DiSantis, Pedro '67, has been elected to fellowship in the International College of Dentists and membership in the Pierre Fauchard Academy.

Alumni News

Jorgen Theilade, Perio '60, is in Hong Kong where he is now a reader in the Department of Periodontology and Public Health at the Faculty of Dentistry, University of Hong Kong.

Lawrence S. Harte, Ortho '62, became a fellow of the International College of Dentists.

Andrejs Baumhammers, Perio, M.S. '65, director of conti-

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David C. Vandersall, Perio '67, and Robert Barrickman, '71, "were two of nine dentists who served on the dentistry merit badge staff at the National Boy Scout Jamboree at Ft. A.P. Hill, VA, last July. We instructed over 2,500 boy scouts in the requirements of the dentistry merit badge program, of which 222 scouts received the merit badge for completing all the requirements. It was partially supported by and sanctioned by the American Dental Association."

James E. Vick, Ortho '73, was awarded status as a diplomate of the American Board of Orthodontics.

Alex Waitkus, Ortho '74, M.S. '76, was awarded status as a diplomate of the American Board of Orthodontics.

Glenn Clark, GenDen '75, M.S. '76, professor at UCLA, is acting director of the Dental Research Institute there, and president of the neuroscience/TMJ group of the IADR.

Bruce Steven Haskell, Ortho '75, was awarded status as a diplomate of the American Board of Orthodontics.

Ho Wohn Kim, GenDen '76, has been appointed chairman of the Department of Biomedical Dental Sciences at the College of Dentistry, King Saud University, Riyadh, Saudi Arabia.

Harvey Levy, GenDen '76, received the 1986 Humanitarian Award from the Academy of General Dentistry at the group's annual meeting in Philadelphia in July. Harvey, who has a practice in Frederick, MD, does extensive work with physically and mentally handicapped patients.

Chris Durr, GenDen '78, in a letter to Stan Handelman writes, "Life is busy down in Virginia; I have been involved in a good practice in Fairfax. This summer I graduate from law school (George Mason University) and plan to develop a dental/law specialty."

Sherra and Ed Chappelle, GenDen '80, have a new daughter April Nicole, born July 20.

Anibal Silveira, Pedo '80, Ortho '83, was in Brazil early this year, at a national meeting where he presented a course on TMJ dysfunction and the use of the CAT scan for patients with facial anomalies. **Hector Vesco**, GenDen '81, Ortho '83, M.S. '84, who now practices in Guatemala, also spoke at the meeting.

Bruce Friedman, Pedo '81, is "announcing the purchase of his office building," in West Haven, CT, and expects to be in by the time you read this.

Doron Kochman, Pedo '81, and his wife have a new baby girl, Shira Rachel Ilyse, "a big name for a little girl," who joins her brothers David and Adam.

Harry E. Rosenstein, Prosthodontist '83, has "completed residency in maxillofacial prosthetics at the University of Chicago Medical Center and will be going into private practice of prosthodontics in Albany, NY, my home town."

Arthur DeCarlo, GenDen '85, started working toward a Ph.D. in molecular and cellular biology at the University of Alabama at Birmingham in September.

MOMENTUM

EASTMAN DENTAL CENTER
625 ELMWOOD AVENUE
ROCHESTER, NEW YORK 14620