

# MOMENTUM

Volume 2, Number 4, Fall 1977

News & Viewpoints  
for Eastman Dental Center  
Alumni & Friends



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

## From The Director's Chair

### THE NEW BUILDING

As you can see from the photograph on this page, the exterior work on the new building has been completed and the scaffolding removed. Work on the interior is progressing well.

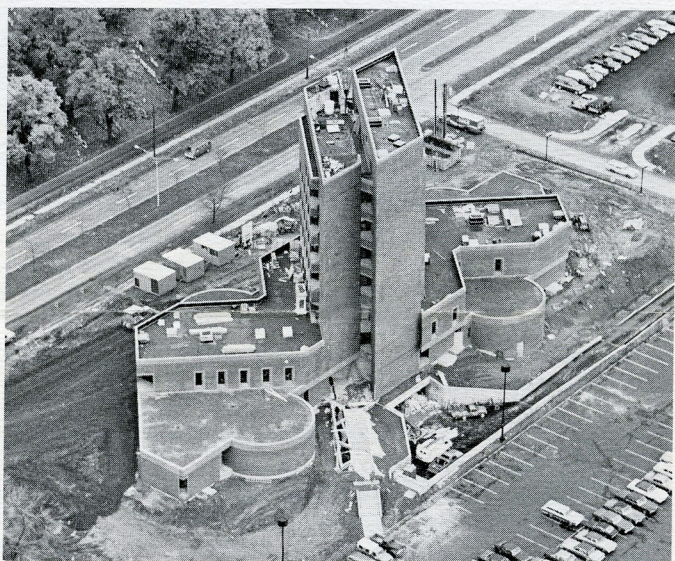
Electrical power was turned on October 25. Insulation has been completed, dry wall is being installed and most windows are in place. With much of the dry wall established, one can see offices and laboratories, the library and the auditorium.

The large air conditioning unit was hoisted to the roof on October 24. The service drive and loading dock have been completed. Work on the sidewalks and planters at the entrances of the building is proceeding well. The parking lot and entrance are complete, except for the parking gate and the final surface.

Heavy, steady rains this summer and early fall

delayed the landscaping. However, the good weather of the last week or two has permitted a substantial amount of grading to be done, and when this is finished, top soil will be spread. Grass will be sown in the spring.

We have not yet fixed a definite date for the move, but still expect to be in the new building early in 1978.



*On October 18, a view of the completed exterior of the new building.*

## Capital Campaign

### NEW LIBRARY TO BE NAMED AFTER DR. BIBBY

EDC's Capital Campaign has received an \$100,000 trust fund from an anonymous donor to be used to name the library in our new building after Dr. Basil G. Bibby.

Dr. Bibby has turned his full attention to research on the cariogenicity of certain foods since he relinquished his administrative duties as the Center's Director in 1970.

On learning that he would be so honored, Dr. Bibby said: "I am surprised and obviously gratified. A library is

certainly my first choice as a memorial."

Dr. Bibby's interest in books started in his student days. Even before coming to Rochester, he developed the library at Tufts Dental School where he was then Dean.

When he came to the Center in 1947, "what passed for a library was a room filled with books." At his request, a couple of interns sorted them out, and the collection became the basis for the EDC Library.

One of the treasures found in that book-packed room — "It was just there!" says Dr. Bibby — was "A Practical Treatise upon Dentition; or The Breeding of Teeth in Children," by Joseph Hurlock, Surgeon, printed in London in 1742.

While he was still in Boston, Dr. Bibby "got into abstracting" when he was appointed to an Army committee to solve the problem of keeping officers abreast of what was going on scientifically and clinically.

In 1957, as an impressive citation on his office wall attests, he was "nominated, and, by and with the advice and consent of the Senate," appointed by President Dwight D. Eisenhower "a member of the Board of





*Dr. Bibby in a familiar pose, half-smiling, with a book in hand. The library in our new building will be named the Basil G. Bibby Library to honor him. He is internationally recognized in the fields of dentistry and nutrition as a research scientist, scholar, administrator and author.*

Regents of the National Library of Medicine.” His term lasted three years.

The job of the regents was to interest Congress in a project to build the National Library of Medicine. The regents met, Dr. Bibby says with lively, sly humor, in what “was probably the only public building in Washington where you had to go outdoors to the toilet!”

Dr. Robert L. Berg, President of the Center’s Board, commented: “With the addition of this splendid and generous gift, sixty per cent of the \$200,000 cost of the new library has now been subscribed. We are gratified that the library will honor Dr. Bibby, a man of great intellect, energy, and wit. As director, he broadened the scope and resources of the Center, and as a researcher, he has continued to enhance dental and nutritional knowledge.

“I hope this gift will spur others to contribute to the Capital Campaign in honor of Dr. Bibby, or to celebrate others whose names merit distinction as well.”

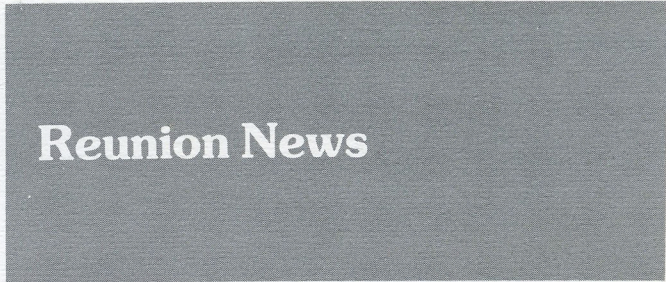
#### **CAMPAIGN REACHES MILESTONE**

The Capital Campaign has crossed the \$2,000,000 mark and is now at sixty per cent of goal due to some substantial corporate gifts. Corporate gifts have been received from:

Caldwell Manufacturing Company

Curtice-Burns Charitable Foundation  
 The Davenport-Hatch Foundation, Inc.  
 Eastman Kodak  
 The Ebsary Charitable Foundation  
 The R.T. French Company  
 Frank E. Gannett Newspaper Foundation, Inc.  
 Garlock Charitable Trust  
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 Harris Foundation  
 Minnesota Mining and Manufacturing Foundation, Inc.  
 Mixing Equipment Company  
 Rochester Clearing House Association  
 Rochester Gas and Electric Corporation  
 Rochester Germicide Company  
 Rochester Telephone Corporation  
 The Schlegel Foundation  
 Scrantom’s Book & Stationery  
 Star Supermarkets, Inc.  
 C.H. Stuart Inc.  
 Sybron Corporation  
 Voplex Corporation  
 Wegman Food Markets Inc.  
 Louis A. Wehle Foundation  
 Xerox Corporation

Christine Hyer, Development Officer, is continuing her efforts in the area of corporate and foundation gifts, with emphasis on EDC suppliers and out-of-town corporations. She plans to launch the Alumni phase of the Campaign by the end of October. The Seventh District Dental Society phase has raised \$32,000 so far, and Mrs. Hyer hopes for considerably more.



The Eastman Orthodontic Alumni Association reunion will be held in Scottsdale, Arizona, February 10 to 15. Guest speaker at the meeting will be Dr. Harold Perry, Chairman of the Orthodontic Department at Northwestern University. Dr. Howard Starnbach, President of the Association, has had enthusiastic response from many alumni who plan to attend, and to give papers or table clinics.

The newly formed General Dentistry Alumni Association will have its first reunion in the Center’s new building July 14, 15 and 16. Details will follow shortly.

The Pedodontic Alumni Association is also planning to have its biennial reunion in the new building. The meeting is scheduled for late spring. News about it will be coming soon.



outside the Center. Dr. David Levy, who received his Certificate in Pedodontics from EDC this June, and who is now working on his Master's in community health, was in charge of the dental facility during the summer of 1977. He had the trailer working efficiently.

Dr. Levy has the gentle strength, patience and compassion many huge men possess. He also seems not to have lost a belief in the possibility of bettering the world, while having an educated awareness of mankind's foibles. He was involved with his patients in more than a professional way, attending the Center's weekend and evening events.

He explained that the trailer stayed at the Center for two months to treat children, and then was moved to a migrant camp to care for adults during the evenings. Two EDC General Dentistry residents, Drs. Barry Peskin and James Rozanski, would man the trailer in the camp.

David spoke about the dental program, "Periodontal disease is very common. We see more of it than we do caries. We have to sell dental health. Many migrants have never had dental care. We are beginning to see improvement in children, depending on where they have been. For instance, North Carolina has one of the better dental programs in the country. But, Florida is not as persistent as we are in New York State. In some states dental services are the exception rather than the rule."

Jeanne Stearns, coordinator of health services for the Migrant Center, is a school nurse/teacher in Arkport during the year. She said, "David Levy has been fantastic. And we just could not function without the Eastman Dental Center. We borrow all our portable equipment from Eastman and Eastman has been generous in lending."

Jeanne, a slim, fine-featured, vigorous lady, laughed, "I came here in '68 or '69 looking for four easy credits!

"When I first started, there were no health services. One of our first dentists, as a matter of fact, was Dr. Odd Sveen. He has remained our key contact person. Dr. Dennis Leverett and Clare Shaffer from Community Dentistry have been tremendous."

During the summer, the Center operates a Children's Demonstration School to meet the needs of migrant children, from infancy to the age of 14. It conducts an intensive on-the-job training program for migrant adults as aides in the School. Teams of teachers and tutors work three evenings a week in migrant camps assisting teenagers who work in the fields during the day.

Inside the School, the children are cared for by teachers, nurses and aides. Many of the children have impetigo, infected insect bites, respiratory illnesses, ear problems and head lice.

The youngest children obviously warmed to the affection and care of the staff. However, aside from one small tot being comforted while crying, the children were relatively subdued.

The adolescents and adult aides had a sad lack of facial expression and muscle tone. People who live or work in urban areas are used to the scathing glance and barely covered hostility of many young people in the inner city. But, migrant children have lost, or perhaps have never had, anger.

Carole West, administrative director of the School, said, "In addition to the dental trailer, we have another trailer we use for an in-camp continuing education program. We base the program on the needs of the

people, offering options as diverse as high-school equivalency and sewing. The drop-out rate among migrants is above 90%. In our camps, there is no one with a high-school diploma."

Carole, with long blonde hair and meticulously polished nails, was perhaps the most glamorous person at the Center. One young girl with a sallow complexion, a dispirited shuffle, and hair obviously hacked with a dull scissors, said, "I want to look like Carole." Carole took her around, smoothed her hair, and said, "You start by letting your hair grow."

Dr. Gloria Mattered, Director of the Center, is an intense woman with shining black hair and sparkling eyes. She brought out a large box filled with slides, pictures, autobiographies of migrants, and other materials. "We have just completed and successfully tested a migrant heritage studies project," she said.



*A PAUSE IN THE DAY'S OCCUPATION. Dr. David Levy (left), cares for a young Algonquin Indian migrant boy, with the assistance of Leonette Trudeau.*

"We want people to have an awareness of the migrant farmworker, whose life style has placed him high on the list of America's neglected people educationally and socially. We hope the migrant will eventually be accepted as a valuable member of society whose importance to the nation's economy must be emphasized.

"Migrant workers and their children will learn about and develop pride in their own heritage from this project. They will also share in the cultural activities of other ethnic groups—Indians, Blacks, Chicanos—within the migrant stream with whom they often work side by side."

Dr. Levy waved good-bye to a visitor before returning to work in the dental trailer. The child with him just watched.



## Recent Thesis

### HISTOLOGICAL AND CEPHALOMETRIC EVALUATION OF THE EFFECTS ON GROWTH BY AUTOGENOUS PERIOSTEAL TRANSPLANTS TO FACIAL SUTURES OF *MACACA MULATTA*

by Alexander M. Waitkus

To study the effects of autogenous periosteal transplants to selected facial sutures, eight young male *Macaca mulatta* monkeys were divided into randomly selected control and experimental groups. Two animals had transplants placed across the mid-palatal suture, and, in two other animals, periosteal transplants were placed across the right zygomatico-maxillary suture. The third pair of animals was subjected to simulated surgical procedures—the periosteum *in situ* elevated and replaced—across the mid-palatal suture of one and across the right zygomatico-maxillary suture of the other. The remaining pair of animals was the control group. Stainless steel implant and vital stain procedures were employed to facilitate the interpretation of growth changes. The investigation was conducted for six months from the time of periosteal transplantation, and serial records were taken at two month intervals, using cephalometric and occlusal roentgenograms and anatomical-dental stone model techniques.

After sacrifice, evaluation of palatal and right zygomatico-maxillary osseous tissue specimens from all animals was conducted. Serial decalcified sections of all specimens were prepared and examined in both the stained (Hematoxylin and Eosin) and unstained conditions. Selected undecalcified palatal specimens (110 microns thick) were evaluated under ultraviolet light. To determine what the effects the transplants had on growth, data from the posterior-anterior cephalograms, the occlusal films, and the maxillary stone models were statistically analyzed.

The results indicated that a bone bridge did form in the palatal transplant animals, but no bone bridge across the right zygomatico-maxillary suture was evident at the time of examination. The two simulated transplant animals exhibited palatal and right zygomatico-maxillary suture anatomy that was identical to the corresponding suture in the control animals. Two of the vital stains, Oxytetracycline and Procion Brilliant Red H-8BN, persisted in the osseous tissue, and they demonstrated the following: (a) In the transverse plane, more lateral palatal growth posteriorly than anteriorly; (b) in the first deciduous molar area, bone deposition on the anterior part of the oral surface of the secondary palate; and (c) in the first permanent molar area, bone resorption on the posterior part of the oral surface of the secondary palate. The statistical analyses indicated less lateral and anterior-posterior growth in the palatal transplant animals

than in any other group with which the palatal transplant animals were compared. Comparison with the two statistically defined control groups strongly corroborated this fact.

After determining the efficacy and effects on growth of the autogenous periosteal transplants, the following conclusions were formulated:

(1) The autogenous periosteal transplant is an effective agent of osteogenesis when applied to selected facial sutures of *Macaca mulatta*.

(2) Osteogenesis at a sutural location may be initiated by a periosteal autogenous transplant, but it is highly susceptible to the influence of local physiological factors.

(3) Palatal bone bridge formation, by a periosteal transplant, manifests itself in less than normal lateral and anterior-posterior growth.

(4) Lateral palatal growth, in the transverse plane, is greater posteriorly than anteriorly in animals with normal palates.

(5) The anterior part of the secondary palate oral surface, in the first deciduous molar area, exhibits bone deposition, and the oral surface of the posterior part, in the area of the first permanent molars, is being resorbed, in the young growing animal.

(6) The surgical procedures appeared to adversely affect growth in the lateral direction in each surgically treated animal. The most significant changes occurred in the palatal transplant animals, and the least significant changes occurred in each of the simulated transplant animals.

**Dr. Waitkus**, the 1977 winner of the \$500 first prize in the postdoctoral division of the prestigious IADR Hattton Award competition, earned his D.D.S. from West Virginia University. He received his ortho certificate in 1974 and his M.S. in the EDC/UR joint program in 1976.

A spirited oenologist (oinos = wine) and collector of humorously grotesque automobile models, Dr. Waitkus now lives and practices in Chester, Virginia. His wife, Nancy, also a dentist, completed the Pedodontic specialty training program at EDC in 1975. They have two children.

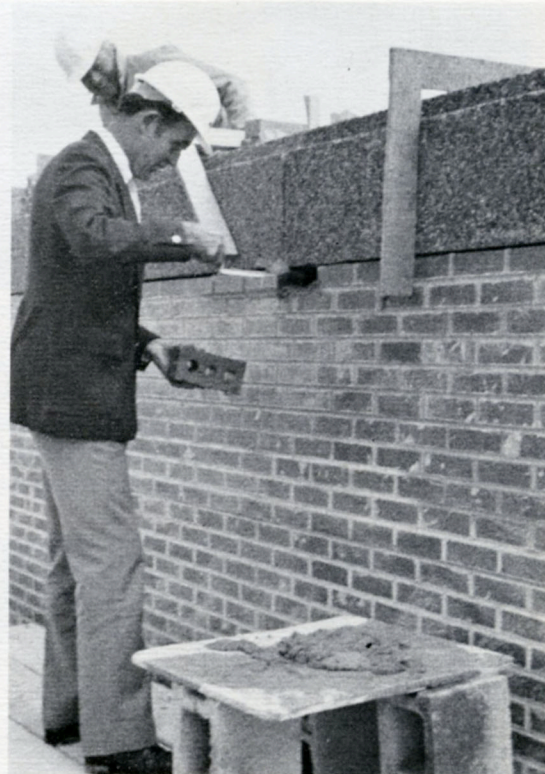
## The Editor's Corner

On a golden August morning a few bright-eyed, lithe summer students walked toward classes on the campus of the State University College at Geneseo, where the Geneseo Migrant Center is quartered. The eleven year old Center has become a national leader in comprehensive migrant education and health services.

The Center began as a summer workshop for public school teachers to educate them about migrant children. It has grown appreciably and now conducts some programs on a year-round basis, others during the summer.

An old trailer, equipped as a dental office, stood





*On Wednesday, September 14, at 2:45 p.m., Dr. William D. McHugh laid the last brick on the top of the tower of the new building, spreading the mortar as deftly as amalgam.*

Please continue to let us hear from you! Deadline for the next issue is January 15.

Name \_\_\_\_\_ Dept. \_\_\_\_\_ Year \_\_\_\_\_

New Home Address \_\_\_\_\_

New Business Address \_\_\_\_\_ New Title or Position \_\_\_\_\_

Other News \_\_\_\_\_

\_\_\_\_\_

Please cut out, fold, staple or tape, stamp, and drop in the mail box. Thanks!

Stamp

**MOMENTUM**  
**Eastman Dental Center**  
**800 Main Street East**  
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## Alumni News

**Dr. Van E. Christou**, Ortho, '50, has been appointed Chancellor of the University of Lethbridge, in Alberta, Canada.

**Dr. Doris R. Ridley**, '56, has moved from Inverness, Scotland to Romford, Essex, England, to be consultant orthodontist in the Maxillo-Facial Unit of Oldchurch Hospital there.

**Dr. Hypatia V. Bernardo**, Ortho, '57, has been appointed Dean of the College of Dentistry of Centro Escolar University, Manila.

**Dr. Ingolf J. Moller**, Pedo, '58, is now in charge of the WHO Oral Disease Preventive Programme.

**Dr. M.Z.K. Niazi**, '58, in a delightful letter with the exotic return address of Shalimar, Islamabad, Pakistan, writes, ". . .after finishing at the Eastman I went to Eastman Clinic in London where I worked in Periodontics and Pathology for one year. In 1960 I returned to Pakistan and established a General Practice in Dentistry in Lahore. . . In 1970 I shifted to the capital city of Pakistan, Islamabad, where I am trying to establish a group practice. Hopefully we can eventually make this as a nucleus for a graduate training program. . . I have been President of the Pakistan Dental Association, member of the Academy of General Dentistry and Pierre Fauchard Academy. I have the honour to be the Honorary Dentist to the President of Pakistan and the Prime Minister of Pakistan. . ."

**Dr. Jim Gray**, Pedo and Oral Surgery, '64, writes from Eastbourne, Sussex, England that he's "grateful to receive MOMENTUM. Please keep sending it."

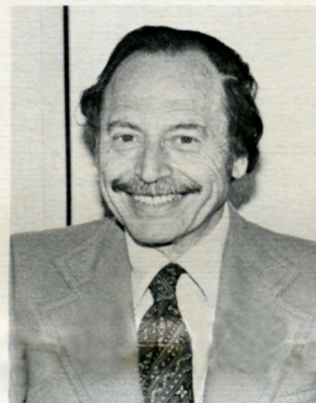
**Dr. Zia Sheykholeslam**, Pedo, '72, is now associate professor and director, postgraduate pedodontic program of the New Jersey Dental School.

**Dr. William H. Myones**, GenDen, '73, completed a postgraduate program in Perio at Tufts in September and is now a part-time instructor in perio at the Columbia University College of Physicians & Surgeons, with a periodontology specialty practice in New York City.

### COMMENCEMENT

Dr. Irwin D. Mandel, Professor of Dentistry and Director, Division of Preventive Dentistry, of the Columbia University School of Dental and Oral Surgery, was speaker at commencement on Friday, June 17. His address, "Education for a Life, Not a Living," was enjoyed by the thirty-two residents who received their certificates, their families and friends.

Dr. McHugh made the opening remarks at the ceremony. After Dr. Mandel's address, each department chairman presented certificates to students in his specialty. Dr. Frederick L. Agnew, Vice-President of the Center's Board of Trustees, concluded the ceremony with congratulatory remarks.



*Dr. Irwin Mandel, guest speaker at EDC's 1977 commencement.*

# MOMENTUM

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