

MOMENTUM

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News & Viewpoints
for Eastman Dental Center
Alumni & Friends

EDC

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

From the Director's Chair

800 Main Street East has been sold. Jalynn, Inc., a subsidiary of Farash Construction Corporation, a major local concern active in the revitalization of downtown Rochester, took possession of the property on Monday, October 27, and is now responsible for all costs associated with it. Legal closing will take place on or before January 5, 1981.

Jalynn will renovate and operate the building for the County of Monroe Industrial Development Agency (COMIDA). The old dorm will probably be converted into apartments.

As soon as extensive work to modernize the heating and electrical systems is completed, COMIDA will use the building as an "incubator" research and development facility for new industries in fields like electronics, computer technology, chemistry and plastics. Some concerns may be able to use existing laboratories.

EDC trustees and staff are particularly gratified that the old building which served well for so many years will be an essential part of Rochester's burgeoning industrial activity, that new jobs will be created, and that a neighborhood threatened by urban decay will be restored.



The new Eastman Dental Center opened in May 1978. While proudly maintaining its independence, EDC enjoys affiliations with the University of Rochester's School of Medicine and Dentistry and Strong Memorial Hospital, The Genesee Hospital and Monroe Community College. A pivot in the dental community, the Center has continued its traditional obligation to advance the science and art of dentistry through emphasis on dental education and research, in order to improve preventive and clinical services.



The Rochester Dental Dispensary was founded in 1915 to provide dental care for the school children of the city. It opened in 1917 when streets were paved with cobblestones and electric trolleys furnished public transportation. The building was renamed the Eastman Dental Dispensary in 1941 to honor its original and most generous benefactor. In 1965 the name was again changed to Eastman Dental Center.

Editor's Corner

The Honorable and Mrs. John Van Voorhis joined a group of distinguished visitors at EDC one warm, golden October day. The judge carried a box; Mrs. Van Voorhis, a book.

After graduating from Yale in 1919, the judge "read law" in his father and uncle's law office in Rochester "under the old method." Linda Lyon Van Voorhis is not only the author of three books of poetry, but is also a writer of lively occasional verse.

All the visitors toured the building and then gathered for lunch. After dessert, Judge Van Voorhis rose, opened his box to reveal its contents, a skull, which he presented to Dr. William D. McHugh, the Center's director.

Judge Van Voorhis has the consummate style of a skilled advocate. He told the story of the skull with obvious and infectious delight. Mrs. Van Voorhis listened with the enthusiasm of a bride.

Here is what he said.

"The skull, which had been in our law offices for about fifty years, was an exhibit in a malpractice trial against a Rochester dentist, which was defended by Lloyd Paul Stryker, who was then the attorney for the state medical and dental societies. The suit was based on the fracture of the woman's jaw during the extraction of an impacted wisdom tooth.

"The skull was offered in evidence to show the jury graphically what the human jaw and skull looked like. It had a complete set of teeth. It was produced by the defendant from somewhere; I don't know where. The jury rendered a verdict of \$6,000 in favor of the plaintiff. Mr. Stryker concluded his connection with the case by telling the dentist that there was no use in appealing and that he had done all that he could in his defense.

"Following that, the dentist who was involved consulted my father. My father saw no immediate way out of the difficulty and bided his time. Six thousand dollars was considerably more money fifty years ago than it is today and, likewise, a judgment in a malpractice case against any professional constituted then, as it does now, a serious reflection upon his professional standing.

"It happened that the defendant in that case was an advertising dentist. Advertising by professionals was regarded as unethical in those days. Now it is almost required in order to avert anti-trust prosecutions! Then, however, it was regarded in the profession as not only unethical, but as constituting unfair competition.

"At that time, a malpractice action could seldom, if ever, go to a jury without being dismissed by the judge, unless there were evidence in the form of expert testimony given by a member of the profession expressing an opinion that the defendant was chargeable with conduct amounting to negligence.

"This was one reason why there were comparatively few malpractice cases in those days. Now the courts are flooded with them. It was perhaps easier in this lawsuit for the plaintiff to find a dentist who was willing to testify against his

fellow professional for the reason that he was without the pale, being an advertising dentist. However this may be, it soon became apparent to the profession that the possibility of fracturing a patient's jaw in the extraction of an impacted wisdom tooth was not confined to advertising dentists. That could happen to any of those who were the most ethical.

"Whatever may have gone on behind the scenes neither my father nor I ever knew. But one fine day about a month after the trial, the dentist who had sworn the case through for the plaintiff came into father's office and said he was not sure that his testimony had been correct and that he was really unable to say with reasonable medical or dental certainty that the procedures taken by the defendant were negligent.

"My father made a motion for a new trial based on an affidavit to that effect made by this dental witness upon the legal ground of newly discovered evidence. The new discovery was in effect that what had been presented as evidence at the trial was really not evidence.

"Just before this motion came on to be heard, the same dentist presented another affidavit which in effect retracted his retraction! The motion came on for argument, as I recall, before Supreme Court Justice John B.M. Stephens who reflected upon it for a considerable time and then granted father's motion for a new trial upon the ground that if the witness, on whose testimony alone the case was submitted to the jury, were not more certain than this concerning the accuracy of his testimony, there should be a new trial in the interest of justice. The new trial never occurred inasmuch as the action was settled to the best of my recollection for \$1,500.

"When Lloyd Paul Stryker got out of the case, all the ex-

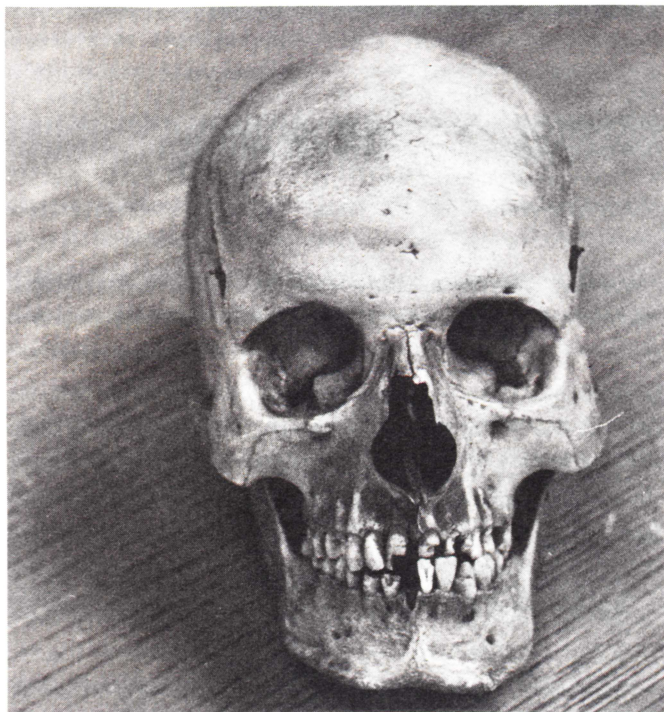


John and Linda Lyon Van Voorhis

Editor's Corner . . .

hibits were turned over to my father and these included this handsome skull with a perfect set of teeth. One tooth, I am sorry to say, has suffered some injury during the more than half a century that this skull has been kicking around the law offices.

"I spoke to our family dentist, Dr. Donald C. Padelford about this skull on several occasions and he suggested that I donate it to the Eastman Dental Dispensary, as it then was.



MEMENTO LITIS. Remember the lawsuit! This is the skull donated to Eastman Dental Center by Judge John Van Voorhis.

He said he thought it might be useful in teaching young dentists for the reason that skulls with perfect sets of teeth were rare.

"Anyhow, any suggestion from Don Padelford went down with our family, all of whom, believe it or not, really enjoyed going to the dentist on account of Padelford's warm and engaging personality.

"I delayed making this donation for some time feeling that I would miss this decoration of our office.

"Our good friend Paddy is now deceased and so I have presented this trophy to the Eastman Dental Center respectfully in his memory. I do not warrant the title to it, but claim some rights due to adverse possession for more than fifty years. No one is likely to dispute my title!

"Our fondness and regard for Dr. Padelford could not be better expressed than in a poem addressed to him, written by my wife Linda Lyon Van Voorhis, which I had the honor of reading to Paddy and Bea and their guests on the occasion of their fiftieth wedding anniversary."

Mrs. Van Voorhis's poem is reprinted with her permission.

TO OUR DENTIST

*We mortals generally view
The dentist's chair a bit askew,
And are not gaily wont to venture
In hot pursuit of another denture;
Nor think delectable attraction
A wisdom tooth in the extraction.
But there is one with jeweler's skill
Who can our ailing molars fill.
How can he stand our wild grimacing
While lustre to our smiles replacing?
He takes a sportsman's keen delight
Upon the way we poor fish bite,
And then, in thronging droves, we crash
Into his net, nor count the cash.
But strangely (and 'tis no delusion)
Our hearts are his, like our occlusion—
PADELFORD, as you have surmised,
So take this gift and be surprised!*

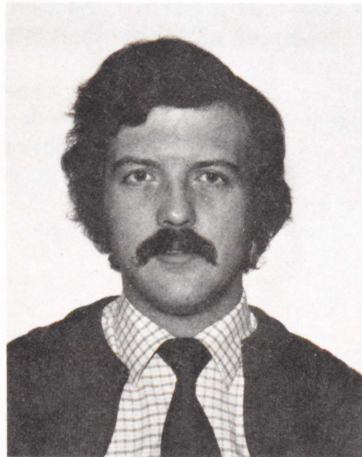
FORTHCOMING!

At the suggestion of Frank Valentine, the next issue of *MOMENTUM* will feature an article on current research at EDC.



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Recent Thesis



After Huw Thomas received his dental degree from Guy's Hospital of the University of London (England), he came to EDC. He was awarded both a Pedo certificate and his Master's in 1978. Huw then spent two years as assistant professor in the Department of Pediatric Dentistry at the University of Texas Health Science Center in San Antonio.

He is presently a post-doctoral fellow in the De-

partment of Orthodontics at the University of Connecticut Health Center, where he also teaches part-time in the Department of Pediatric Dentistry. He is, as well, working on a Ph.D. in oral biology investigating embryonic tooth development. His adviser, Edward J. Kollar, Ph.D., Huw writes, "has recently induced tooth development in chickens!"

Huw adds that he, "Susie and daughter Megan, who was one year old on October 16, are pleased to be back in the northeast, enjoying the fall, and looking forward to skiing this winter!"

The published paper from Huw's thesis won both the post-doctoral division of the Edward H. Hatton Award Competition, IADR, and the Graduate Student Research Award of the American Academy of Pedodontics.

His thesis supervisor was Dr. Odd B. Sveen.

THE EXTENT OF THE ODONTOBLAST PROCESS IN HUMAN DENTIN by Huw F. Thomas

Recent ultrastructural studies have failed to demonstrate the presence of the odontoblast process throughout the thickness of dentin in both humans and animals. Work on rat and cat dentin by Garant and Holland respectively showed the outer tubules to be devoid of cellular material, while scanning electron microscopic studies on human dentin showed the odontoblast process to be confined to the inner third of crown dentin. This finding contradicts the long held opinion that the odontoblast process extends throughout the thickness of the dentin, and as some believe, forms the basis for the sensitivity of the tissue.

The purpose of this investigation was to follow the odontoblast process from its junction with the odontoblast cell through the dentin with both the light and transmission electron microscope. Impacted but fully formed human third molars were taken immediately after extraction and a slice 2 mm thick cut from the center of the crown of the tooth. Half the samples were demineralized, while the remainder were left in the mineralized state prior to processing for examina-

tion. The odontoblast process was found to be limited in all cases to the inner third of the dentin. In the inner third a constriction of the odontoblast process was often noted in areas of peritubular dentin formation. In the space formed by this constriction collagen was observed which was in some areas continuous with the peritubular dentin matrix. The outer portions of the tubules were empty except for occasional collagen fibers and an electron dense material condensed along the tubule margins. Correlation of light and electron microscope findings showed that the structure seen within the dentinal tubules of demineralized specimens was not the odontoblast process as commonly believed, but the inner hypomineralized layer of the peritubular dentin.

This work was repeated with different fixatives of reportedly differing rates of tissue penetration, with the same results. Preliminary data from erupted teeth which have been in occlusion for some years also show the odontoblast process to be limited to the inner third of crown dentin.

Intratubular nerve fibers have not been observed in any of the research to date. That, together with the absence of the odontoblast process from outer dentin, lends morphological support to the hydrodynamic theory of dentin sensitivity. The sensitivity of dentin is perhaps due to an initial fluid movement within the dentinal tubules. The motion may stimulate the odontoblast process which in turn stimulates nerve fibers, already shown to form specialized junctions with the odontoblast cell body.

Alumni News

MARVIN J. BLOCK, Intern '47, attended a meeting of the AADS Council of Faculties held at EDC in late September. On arriving home in Chapel Hill he wrote, "I remember coming to Eastman Dental Dispensary in a covered wagon. I was there during 1946-47 as an intern. I was in private practice for many years in Rochester before leaving for the University of Minnesota and then on to the University of North Carolina./ During my recent visit to Eastman, I very much enjoyed seeing Stan Handelman, Basil Bibby, Mike Buonocore, Jim Weig, etc., friends of long standing."

JOHN M.G. HUNT, GenDen '67, writes from the Far East: "Since leaving the Eastman in 1967 much water has flowed under the bridge Here is a resume. 1967-70, Lecturer in oral surgery at The London Hospital Dental Institute and registrar in conservative dentistry. Alan Polson was a student at that time! 1970-80, Practice in Torquay, Devon. Part-time in local hospital. 1980, Clinical dental surgeon at the new University of Hong Kong Dental School./ Married with three children: Jemma, aged 11; Annabel, aged 9; and Edward, aged 4. All well and enjoying a new life in the extraordinary colony of Hong Kong! I correspond regularly but infrequently with Dr. Curzon and with Dr. Brian Clarkson (in Iowa), as well as others who were at the Eastman in 1966-67./ I hope to visit the new Eastman before too long."

LARRY FOX, Pedo '68, is in full-time private practice in Willoughby, Ohio.

FRANK VALENTINE, Pedo '69, who has opened a second office in Fort Lee, New Jersey, and who lives in Pomona, New York, writes he is treasurer of the New York State Association of Pediatric Dentists and vice-president of the Greater New York Association of Pediatric Dentists.

ZIA SHEY, Pedo '72, is now professor of pedodontics and oral biology at the College of Medicine and Dentistry of New Jersey.

JAMES M. ROZANSKI, GenDen '78, writes, "In July 1979, I became director of dental services at St. Luke's Memorial Hospital of Utica, New York. In July 1980, the hospital established a general practice residency program with two residents and dedicated a brand new 2,000 square foot facility. / Also on June 7, 1980, Joanne E. Palazzo and I were married in Rochester. Joanne was a former employee of Eastman Dental Center and Genesee Hospital. She presently assists a privately practicing endodontist in the Utica area."

BOB ADLER, GenDen '79, says, "I am presently practicing general dentistry in midtown Toronto and instruct at the University of Toronto Faculty of Dentistry department of prosthodontics."

As promised in the last issue of MOMENTUM, more excerpts of letters to Stan Handelman follow.

GERALD KRAUSE, Pedo '74, lives in Maryland and says, "Life in Salisbury has been good. A great place to raise a family. . . The practice is growing nicely. Putting all those good learning experiences from EDC to good use! Best of all, I love practicing dentistry, especially with children. I talk to so many people who are just so upset with their jobs. It's sad! What I do miss is teaching. Just a little too far for a day trip to teach at U of Md. or Georgetown. . . Joan and I have become very active in the community—United Way, soccer, church, and all the volunteer work, plus the kids' activities. I think you end up becoming involved in more of these things in a smaller community. / We still keep in touch with a lot of the old EDC gang—Dave Dalpra, Vince DiFabio, Paul

Sicola, Jeff Pearlman; even Dick Herbison at times. . ."

GLENN T. CLARK, GenDen '75, M.S. '76, writes from UCLA School of Dentistry, "I received my tenure and my associate professor rank July 1, 1980. I was granted a six-month in-residence sabbatical combined with a University of California Career Development Award by our chancellor. I worked with neurophysiologist, Dr. Lou Goldberg, on 'Single Motor Unit Studies of the Muscles of Mastication' and this work is continuing even though my sabbatical is now over. My NIDR grant is successfully continuing into its second year and I recently co-edited a book on TMJ problems. I recently adopted my stepdaughter Shannon, and my wife (Dr. Nan Mulligan) has recently written an application for accreditation approval and is the program director of a new general practice residency specializing in dental care of the handicapped and medically compromised patient at Rancho Los Amigos Rehabilitation Hospital, Downey, California."

HARRY FRANK, GenDen '76, writes from Gaithersburg, "All is well with us down here in Maryland. We've had a great summer. We were on the North Carolina outer beaches in July for a few days and then spent two weeks at Cape Cod. . . I have two boys now: Jonathan, who was a newborn when we were in Rochester is in kindergarten and Nathaniel who is two. / The Washington area really agrees with Mary and me. I am in the midst of buying a dental practice in Bethesda. I have worked in it for three years part-time. I plan on continuing part-time there as well as the other two offices. . . (The new office) is starting to grow nicely now. It is located right down the street from NIH and office buildings are going up all around it. It seems to have good potential. / Øivind (Jensen) tells me that the new EDC building is quite a place. I hope to find time to visit. The excellent reputation of the EDC is far-reaching. I am real proud to be an alumnus. Every now and then I run into Ed Plekavich. He seems real happy and very involved in his role at Georgetown."

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