The 1966 PACEMAKER

COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY

Des Moines, Iowa
Foreword

With this edition of the *Pacemaker*, we stop to reflect on the past, present, and future of the College of Osteopathic Medicine and Surgery. A review of the college’s history is presented as a tribute to those who have maintained the institution as a worthy contributor to the medical profession. Like all college annuals, ours also pays tribute to its current class of graduates. We hope that this yearbook will serve them in years to come as they reminisce about their four years of training at the college. With graduation and the subsequent advancement of the underclassmen, the seniors leave this book as a memento of the class of 1966.
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Dedication

It is with a deep sense of pride and affection that the Class of 1966 dedicates the Pacemaker Yearbook to Dr. Roger F. Senty. His willingness to listen and to make himself available to all students, both in and out of the classroom, his thoughtful solutions, his steadiness and sense of humor in trying situations, his sensible views of what a good medical college should be—all have endeared him to those who have had the privilege of knowing Dr. Senty.
COLLEGE OF OSTEOPATHIC MEDICINE & SURGERY

FOUNDED 1898
rom its inception in 1898 until the present day, the College of Osteopathic Medicine and Surgery has stood prominently as a major training institution of osteopathic physicians and a worthy contributor to the nation’s medical community. Its students have come from every corner of the world. Even at the present time the seven continents and thirty of the states are well represented.

The incorporation of the college grew out of an alliance of two groups of physicians who trained at the American School of Osteopathy at Kirksville, Missouri, under the father of the profession, Dr. Andrew Taylor Still. One of the groups was headed by Dr. S. S. Still, a nephew of the founder, and Colonel A. L. Conger, a nationally known entrepreneur and a member of the Republican National Committee, who was cured of his paralysis by osteopathic treatment. The second group was under the leadership of W. W. G. Helm, a young physician and businessman, and Dr. Wilfred L. Riggs, a normal college professor prior to osteopathic training. After consideration of several cities in the Midwest as possibilities for establishing a new osteo-
pathic college, these men chose Des Moines, Iowa, as the nidus of their new educational enterprise. The college became known as the S. S. Still College of Osteopathy and Infirmary, after its first president, and was to be located at the corner of Fourteenth and Locust Streets. Although the newly constructed college building was not ready for occupancy until late 1899, temporary use was made of an adjacent building for the entering class of September, 1898. These buildings, although considerably altered, yet remain standing.

Forty-one students presented themselves as the first class on September 1, 1898. Their classes included gross and demonstrative anatomy, physiology, chemistry, hygiene, dietetics, medical jurisprudence, pathology, and practice of osteopathy. Tuition at that time was five hundred dollars for
Founder of the Osteopathic School of Medicine, Andrew Taylor Still

Corporate Seal

Etching of the S.S. Still College of Osteopathy
Growth of Curriculum

Dr. S. L. Taylor, D.O., M.D., third president from 1911 to 1926 and founder of the Taylor Clinic
a twelve month term. Two quarters of dissection were required as well as one year of Latin. After the first year in basic sciences, two terms of clinical practice including surgery and obstetrics were necessary for matriculation.

The first decade was marked by many events which promulgated the growth of the college. Having Dr. S. S. Still as president, the Iowa Osteopathic Association was founded in early 1899. The Cosmopolitan Osteopath, a sixty-four page monthly magazine, was published by the school as testimonial of the militant spirit of the founding fathers. Mergers of other schools with Still College such as the Columbian School at Kirksville in 1901, the Northern College at Minneapolis in 1902, and the Northwestern College at Fargo, North Dakota, in 1904 swelled the enrollment as well as expanded the faculty to nearly fifty members including both medical and osteopathic physicians and a few doctorates in the basic sciences and law. The motto of this early period was that of Kaiser Wilhelm: "Gott mit uns!"

In 1911 the college's name was changed to the Des Moines Still College
Growth of Curriculum

Dr. S. L. Taylor, D.O., M.D., third president from 1911 to 1926 and founder of the Taylor Clinic

The growth of the first decade

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In 1911 the college's name was changed to the Des Moines Still College...
Old Assembly Hall of the 1930's

Histology Laboratory at the "new" school
Major Surgery Amphitheater, 1925

Diagnostic X-Ray, 1935
of Osteopathy to avoid confusion with Kirksville and other institutions founded by the Still family. Two years earlier in 1909, the college purchased Des Moines General Hospital. Previous to the purchase, the hospital was operated by a group of Adventists as their Iowa Sanitarium. Until 1916 it served as the principal teaching infirmary of the school. In that year Dr. S. L. Taylor who was then president of the college purchased the hospital with several associates and operated it in conjunction with his renowned Taylor Surgical Clinic. Since that time Des Moines General Hospital has remained separate from the school as an affiliate training hospital.

The next two decades through World War I demonstrated increasing growth and expansion of the college curriculum as well as student interest. Students began to come from many states, as far east as Ohio and west as Utah. Still College became well known athletically since it had football, baseball, and basketball teams which competed against such schools as the

Caricature of an early faculty meeting . . . Dr. S. S. Still was known for his rhetoric
The new school

"Halliday's Band"
The college changes its name

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The new school

“Halliday’s Band”
The old school as it looked in 1910

Des Moines General Hospital
Inter-scholastic activities

Fraternities founded

Universities of Iowa, Minnesota, Nebraska, and Missouri. There was also an extensive intramural program among classes and fraternities. The college even had a band which in its latter days was directed by H. Vergil Halliday, who as an instructor and a leading osteopathic researcher developed the theory of spinal mechanics.

Most of the present fraternities were established during this period. The Xiphoid chapter of Atlas Club was founded in 1899. Iota Tau Sigma and its sister sorority Delta Omega established their Beta chapters in 1903 and 1904 respectively. The Delta chapter of Phi Sigma Gamma was organized in 1915. Lambda Omicron Gamma’s chapter was formed later in 1931. The osteopathic honoraries Sigma Sigma Phi and Psi Sigma Alpha were established at the college in 1923 and 1931 respectively. Many other organizations used to exist at the college but no longer do.

By 1925, in little more than twenty-five years, the college building was too small for the expanding student body brought on by the great need for physicians during the post-war population boom. Many plans were proposed
EDITORIALS

Dr. C. W. Johnson

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between the profession and the public, it

is proposed to organize Associate Mem-

bers of the American Osteopathic Asso-

ciation.

These are to consist of laymen only.

First, lay members of the families of A. O. A. members in good standing; second, undergraduate students of osteo-

pathic colleges; third, and most important, laymen of good character who have shown especial interest and devotion to

the cause of osteopathy.

The members of families of the A. O. A. members are suggested because it is believed that they can add something to

the social features of our meetings in entertaining visiting Associate Members

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ation of their loyalty and service. It

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the highest honor that the organized

osteopathic profession can confer upon

a layman.

These Associate Members shall have

no voice in the affairs of the A. O. A.,

but shall have the right to organize

among themselves, subject to the super-

vision of the A. O. A.

Dr. J. P. Schwartz, Sr.
Each member of the A. O. A. shall have the right to nominate for Associate Membership such laymen as he or she desires, provided their good moral character and loyal interest in osteopathy is vouched for. Nomination for membership is practically an endorsement by the nominating member and would perhaps in all cases be equivalent to an election. The nominee is then notified by the Secretary, that because of his or her interest, influence or good moral character and loyal interest in osteopathy, he or she is entitled to Associate Membership. Nomination is practically an endorsement by the nominating member and would perhaps in all cases be equivalent to an election. The nominee is then notified by the Secretary, that because of his or her interest, influence or good moral character and loyal interest in osteopathy, he or she is entitled to Associate Membership.
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This, we believe, will be a practical value to the Associate Member and alone worth many times the cost of the membership. Besides this, he is to receive the Osteopathic Magazine for one year and perhaps a directory of the A. O. A. members.

We believe that by this plan several things will be accomplished. We will not only get our best friends organized for more effective work, but will give them some recognition of their service to the profession. They will be brought into closer touch through the Osteopathic Magazine with our aims and aspirations, our policies and our activities. They can be more thoroughly educated in all phases of osteopathic interest and taught the universal application of osteopathic practice. The ties of common interest between us will be strengthened. The Associate Members can be organized, if necessary, into state and local societies, so that these whose names you send a letter to the effect that in appreciation of their interest in osteopathy you have recommended them to Associate Membership in the American Osteopathic Association, and that such membership is tendered to a select number of the friends of osteopathy as an acknowledgment of the indebtedness of the profession to them.

This, like all other good things, is of value only when made use of. There are no doubt thousands who will appreciate the compliment of this membership, recognizing that it is the highest honor that the profession can bestow upon a layman, and it is hoped that every member of the A. O. A. will send in at once to the Secretary of the A. O. A. the names of ten
The present
Building

Pre-medical
requirements
instituted

World War II

The Peters'
Administration

for a new college building. Falling short of some of the more expansive plans, the present building on Sixth and Center Streets was constructed and put into operation in 1927. Dr. C. W. Johnson was president and Dr. J. P. Schwartz was dean. There were already three hundred students enrolled in the four year curriculum at that time.

During the period between 1935 and 1941, two years of pre-medical training were introduced. The previously taught subjects (physics, organic chemistry, English etc.) were relegated as pre-professional requirements. At this time the curriculum contained courses found in most medical schools today and also principles and techniques which retained its position distinctly as that of the osteopathic school of medicine.

The sixth and seventh presidents of the college were Drs. J. P. Schwartz, Sr. and H. D. Clark. During this period the Second World War took a considerable toll of students. The interscholastic competitive and most of the other extracurricular activities ended because the size of enrollment had diminished so greatly. In 1945 the college was renamed the Des Moines Still College of Osteopathy and Surgery.

Following the war, enrollment again increased to a level of approximately three hundred students. Dr. Edwin F. Peters became the eighth president in 1946. The college opened its own hospital in 1949 and acquired its present clinic building in 1949. By 1952 the entrance requirements were raised to include a minimum of three years study in an approved college or university.
Dr. John B. Shumaker, the school’s dean, served as acting president during the interim of 1957 to 1959. During this period the school became known as The College of Osteopathic Medicine and Surgery. Dr. Merlyn McLaughlin became the ninth president in August 1959.

A federal land grant of eighty-six acres at the old Fort Des Moines military installation was given to the college in 1963 as a site for its new campus. Shortly after receiving the land, a satellite clinic was installed. The college today awaits the breaking of ground, as it strengthens staff and enrollment standards. In the offing lies an outstanding facility, distinctly osteopathic.
Administration and Faculty

“When I am forgotten,
... say, I taught thee.”

Wm. Shakespeare, 
*Henry VIII*,
Act III, sc. 2.
Merlyn McLaughlin, Ph.D.
President

E. A. Dugan
Vice-President

President and Vice-President
Officers of the Administration

Charles Keegan
*Business Manager*

Cecil C. Looney
*Comptroller*

Michael S. Barry
*Assistant Dean*
Faculty

Evelyn F. Celander, M.S.
Instructor in Biochemistry

Stanley D. Miroyiannis, Ph.D.
Chairman of Anatomy Department

Wesley H. Glantz, D.O.
Anesthesiology

D. Robert Celander, Ph.D.
Chairman of Biochemistry

Evelyn F. Celander, M.S.
Instructor in Biochemistry
Members

Chakwan Siew, M.S.
Instructor in Biochemistry

Milton J. Dakovich, D.O.
Cardiology

Chris Bakris, D.O.
Supervisor of Clinics

William R. Gonda, D.O.
Clinical Instructor
J. R. McNerney, D.O.
Chairman of Medicine

Robert Kreamer, D.O.
Hematology

Keith Simpson, D.O.
Resident in Medicine

Roland Peddicord, L.L.B.
Medical Jurisprudence
Wilford L. Nusser, Ph.D.
Chairman of Physiology

Alfred Driscoll, D.O.
Resident in Pediatrics

Stephen Hornisky, M.S.
Instructor in Pharmacology

Thomas Vigorito, D.O.
Chairman of Pharmacology, Acting Dean
Erle Fitz, D.O.
Chairman of Psychiatry

William Eckhardt, Ph.D.
Professor of Psychiatry

Charles Palmgren, M.A.
Instructor in Psychiatry

S. R. Christensen, M.S.P.H.
Public Health
Erle Fitz, D.O.
Chairman of Psychiatry

William Eckhardt, Ph.D.
Professor of Psychiatry

Charles Palmgren, M.A.
Instructor in Psychiatry

S. R. Christensen, M.S.P.H.
Public Health
C. W. Wyman, D.O.
Clinical Instructor

Bernice Wilson, M.A.
Public Relations

Mary Morrow
Librarian

E. Lynn Baldwin
Medical Photography
Bill Meredith
Property Manager

Virginia Anderson
Secretary

Ruth Gillette
Secretary to the President

Ruth Kelley
Clinic Secretary
(L. to R.) Dr. J. R. McNerney, Dr. J. Mattern, J. R. Astley, H. L. Calkins, Dr. J. B. Baker, President McLaughlin, R. L. Swarzman, M. E. Wallace, Ted Flynn.
confide and respect both as a physician and a friend who will guard their ...

I do hereby affirm my loyalty to the profession and about to enter. I will be mindful always of my great responsibility to preserve the health and the life of my patients, to retain their
Governor Hughes delivering the commencement address.

Dr. Miroyiannis, commencement marshal "briefin' the boys."

The senior class
The class of 1966 pays tribute to the class which preceded it. They were a group of men who will long be remembered for their full participation and active citizenship.
Senior Class

The Osteopathic Oath

I, O, hereby affirm my loyalty to the profession I am about to enter.

† I will be mindful always of my great responsibility to preserve the health and the life of my patients, to retain their confidence and respect both as a physician and a friend who will guard their secrets with scrupulous honor and fidelity, to perform faithfully my professional duties, to employ only those recognized methods of treatment consistent with good judgment and with my skill and ability, keeping in mind always nature's laws and the body's inherent capacity for recovery.

† I will be ever vigilant in aiding in the general welfare of the community, sustaining its laws and institutions, not engaging in those practices which will in any way bring shame or discredit upon myself or my profession. I will give no drugs for deadly purposes to any person, though it be asked of me.

† I will endeavor to work in accord with my colleagues in a spirit of progressive co-operation, and never by word or by act cast imputations upon them or their rightful practices.

† I will look with respect and esteem upon all those who have taught me my art. To my college I will be loyal and always accord its best interests and for the interests of the students who will come after me. I will be ever alert to further the application of basic biologic truths to the healing arts and to develop the principles of osteopathy which were first enunciated by Andrew Taylor Still.
JOHN RICHARD ALWAY

Ann Arbor, Michigan
Wayne State University, B.S.

Atlas Club
Student AOA
Class Secr. (1)
Class Treas. (3)

JOE MERLIN ANDERSON

Ames, Iowa
Iowa State University, B.S.

Atlas Club
Student Council
LAURENCE H. BAKER

Brooklyn, New York
Brooklyn College, B.A.
Student Council
Lambda Omicron Gamma

SHELDON E. BAUM

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University of Michigan, B.A.
Lambda Omicron Gamma
McCaughan Scholarship
Student Council
PAUL F. BENIEN, JR.
Tulsa, Oklahoma
Oklahoma University, B.A.

Atlas Club
Sigma Sigma Phi
Academy of Applied Osteopathy

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Detroit Institute of Technology
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University of Michigan, B.A.
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*Milwaukee, Wisconsin*
University of Wisconsin

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Student Council
Student AOA
College of General Practice
Sigma Sigma Phi

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Pulse editor
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Lambda Omicron Gamma
Sigma Sigma Phi
Psi Sigma Alpha
Pacemaker Staff
Student AOA
College of General Practice
Mosby Award

NASSER GHAEMMACHAMY

Tehran, Iran
Huntington College, B.S.
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Detroit, Michigan
Wayne State University
Phi Sigma Gamma

PAUL M. GOLD

Detroit, Michigan
Wayne State University, B.A.
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Pulse
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Brooklyn College, B.A.
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College of General Practice
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Wayne State University
Iota Tau Sigma

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Interfraternity Council
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Lambda Omicron Gamma

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Temple University, B.A.
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Interfraternity Council
Psi Sigma Alpha
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*Erie, Pennsylvania*
Ohio State University, B.S.
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College of General Practice

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Wayne State University, B.A.
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Student Council
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Rutgers University, A.B.

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Sigma Sigma Phi
College of General Practice
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Pulse Staff
Pacemaker Staff
Class Sec. (3, 4)

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Bowdoin College, A.B.

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Psi Sigma Alpha
College of General Practice
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Student Council
Student AOA
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Kent State University, B.A.

Sigma Sigma Phi
Psi Sigma Alpha
Pacemaker Staff
Student AOA
Student Council
Class V. Pres. (2, 4)
Mosby Book Award

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Westmar College, B.A.

Iota Tau Sigma
ELI N. PERENCEVICH

Cleveland, Ohio
Western Reserve University, A.B.
Kent State University, M.A.

Phi Sigma Gamma
Interfraternity Council
Sigma Sigma Phi
Student AOA
Student Council
Pacemaker Staff
Pulse Staff

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Pacemaker Staff
ALLEN PHILIP PESKA

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Long Island University, B.S.

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Student AOA
Student Council
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Pacemaker Staff
Sigma Sigma Phi

SANFORD Z. POLLAK

Detroit, Michigan
Wayne State University, B.S.

Lambda Omicron Gamma
Student Council
Class Vice-Pres. (3)
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Monroe, Michigan
Toledo University, B.S.
Atlas Club
Student AOA
College of General Practice

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State College of Iowa
Academy of Applied Osteopathy
College of General Practice
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Long Island University, B.S.
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University of Bridgeport
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Rego Park, New York
Long Island University, B.S.
Lambda Omicron Gamma

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Richmond Hill, New York
Long Island University, B.S.
Lambda Omicron Gamma
Student Council
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Ohio Northern University, B.S.

Iota Tau Sigma
Interfraternity Council

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*Bangkok, Thailand*
Marietta College, B.S.

Atlas Club
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Lambda Omicron Gamma
Student Council
Academy of Applied Osteopathy

BERNARD J. TABOR

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De Paul University, B.A.

Iota Tau Sigma
Pulse Staff
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Eastern New Mexico University
Phi Sigma Gamma

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Student Council
Psi Sigma Alpha
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Temple University, B.S.
Lambda Omicron Gamma

LOUIS BERNARD WALK
Des Moines, Iowa
Drake University, B.S., M.S.
Atlas Club
GEORGE Y. M. WANG
Kowloon, Hong Kong
Albion College, B.S.
Phi Sigma Gamma
College of General Practice
Academy of Applied Osteopathy

HERBERT WEISENTHAL
Detroit, Michigan
Wayne State University, B.S.
Lambda Omicron Gamma
Student Council
Student AOA
DONALD J. WEISS

Detroit, Michigan
Detroit Institute of Technology
Lambda Omicron Gamma

WARREN WERBITT

Philadelphia, Pennsylvania
Temple University, B.S.
Lambda Omicron Gamma
Pulse Stuff
DAVID J. WILSON
Des Moines, Iowa
Drake University

CHARLES LLOYD WOODS
Cambridge, Iowa
University of Iowa, B.A.
Student AOA
Academy of Applied Osteopathy
THOMAS FREDERICK YOUNG
Columbus, Ohio
Ohio State University
Phi Sigma Gamma
Pulse Staff

AMBROSE W. WOTORSON
Monrovia, Liberia
Marietta College, B.S.
Phi Sigma Gamma
Mosby Book Award
JOHN ANTHONY ZURANSKY
Dedham, Massachusetts
Boston University
Iota Tau Sigma

... and the sun sets over the City of Des Moines; another class departs; and we reflect:
Senior Reminiscences

Remember September 4th, 1962?

The Class of '66 at freshman orientation four years ago.

That's when it all began. At 8:00 A.M. that morning, seventy-eight men assembled in room 104 to form what was to become the Class of '66 . . .

... those were lean days. The average weight per man was twenty pounds less than it is today.
Yes, a clean white coat every Monday!

“There are several of them!”
Then there was the fifth floor. How could you forget those immortal words: “Clean well, wet well, and don't plug up the sink!”

... that day it got so cold icicles formed on the steam pipes: remember how fast things happened?

... and those evaluations in the conference room: how much did you really know?

I guess you would really have to say we had the complete course!

Doc's Birthday Party; that's Rex up front ...
SENIOR

The sophomore year was another year full of memories. Boyd's became the bible and the microscope, our soul. And films; C.P.C.'s; grand rounds; posts (where are Bolson and Benyak, anyway?) As was said: "It's not important . . ."

Remember the National Boards, the Iowa Boards, and the printing press . . .
Senior
Reminiscences

We also lived under the influence of signs: big ones, small ones; tall, fat and short ones . . .

... one-third, two-thirds, a whole blackboard full!

... and those meetings: formal and informal; some with class, some without . . .

Five dollar minimums
"Man has many, yes, many, many needs. For instance: rubbing one's eye." Excerpt from a pastoral meeting.

(Note the pleasant bridge game in the background.)

"Time for Fisticuffs"

(Only a few people knew of avid debates which occurred in I.F.C. meetings. This one in 1963 could have turned out to be a whopper.)
Senior
Reminiscences

... then the junior year, the clinical year. (Was it 176 hours?) Things were by all means easier. The trauma of the first versus the fifth floor wars was over. "The Fick" was under us. We entered the era of true-false quizzes.

... and two karate punches, too!
We had Gastro-intestinal diseases, Cardio-vascular diseases, Endocrine and Metabolic diseases, Psychosomatic diseases, Hematologic diseases, ... what happened to Respiratory diseases?

Anyway, it all went by very quickly, looking back over those three years.

... but we're really glad they're all over.

"... and this is how J. O. Watson does it!"
... and we didn't ask questions.

"The Deans' lottery" ... or how to get an externship assignment by the "Buddy" system.
A typical student on the way to school after stopping at the local candy store and having purchased three lolly-pops and a chocolate malt since they were all out of lox and bagels. Note the sparse amount of snow on the stairs.

Low gear on Sixth and Center.
"There is a victory and defeat—the first and best of victories, the lowest and worst of defeats—which each man gains or sustains at the hands not of another, but of himself."

Plato,
*Laws,*
Pt. i, sec. 3.
Waiting for class to begin
The clinical year begins

Robert S. Barbosa  
*Los Angeles, California*

Samuel C. Baumann  
*Los Angeles, California*

Gerald Berlin  
*Detroit, Michigan*

Thomas W. Biggs  
*Detroit, Michigan*
“Do you really think he’s going to give us a pop quiz?”
Frank V. DeGennaro
Brooklyn, New York

John E. Coxe, Jr.
Des Moines, Iowa

John Cisna
Des Moines, Iowa

David J. Conaway
Des Moines, Iowa
Robert W. Driscoll
Philadelphia, Pennsylvania

James M. Duggan
Des Moines, Iowa

Robert H. Fenster
Santa Ana, California

Winter sentinel

James D. Fotopoulous
Cincinnati, Ohio
Kenneth E. Freiberg  
Philadelphia, Pennsylvania

Albert Fremderman  
Brooklyn, New York

Martha Gail  
Des Moines, Iowa

Irving Gold  
Detroit, Michigan

JUNIORS
Remember the flood...
Peter M. Greiner
Fort Madison, Iowa

Oscar D. Gutierrez
Des Moines, Iowa

"No, not that journal, that JOURNAL!"

Daniel J. Homa
Farrell, Pennsylvania

Mayer L. Horensten
Philadelphia, Pennsylvania
... after class

Lawrence M. Horowitz  
*Detroit, Michigan*

Harlen C. Hunter  
*Minburn, Iowa*

Walter G. Irwin  
*Pontiac, Michigan*

Richard K. Jacks  
*Albion, Michigan*

**JUNIORS**
Donald R. Janower
Detroit, Michigan

Karl D. Johnson
Mt. Clemens, Michigan

David A. Kaplan
Southfield, Michigan

Leon Kauderer
Levittown, New Jersey

“This really ought to be a good convocation; even the juniors are here!”
Richard N. Knight
Livonia, Michigan
Aaron Koenig
Pontiac, Michigan

Howard L. Lipton
Yonkers, New York

Reflective moment . . .

Harry McDonnell
Allen Park, Michigan
Arnold D. Miller
Midland, Michigan

Morton R. Markoff
Clementon, New Jersey
Joseph E. Mastromonaco
Bayonne, New Jersey

Michael J. Medeck
Huron, South Dakota

Arnold D. Miller
Midland, Michigan
Devota Nowland
Royal Oak, Michigan

John K. Podgorski
Detroit, Michigan

Earl R. Polish
Cleveland, Ohio

Gary Pat Ray
Greenfield, Iowa
Charles T. Reed
_Tenaflly, New Jersey_

Frederick Saverice
_Ashubula, Ohio_

Morton S. Schulman
_Philadelphia, Pennsylvania_

Malcolm Schwartz
_Flushing, New York_
Whoops! Another class that ran overtime.
"Most often during life's severest storm, man comes face to face with the moment of existential truth; he chooses to follow the main stream of life or to transect it."
The class of 1967!

James H. Vaccaro  
_Battle Creek, Michigan_

Neill D. Varner  
_Lewistown, Pennsylvania_

James K. Walker  
_Des Moines, Iowa_

David B. Weinstein  
_Des Moines, Iowa_
Junior Class

Stuart M. Willner
Detroit, Michigan

Bob S. Zimmerman
Des Moines, Iowa

Stairway conference with Dr. Simpson

State Capital of Iowa
The many hours of lecture and lab in pathology

Learning about blood agar and teania saginata
Reflections

Dog labs which lasted into the evening and night

Three Musketeers
Sophomore Class

Pytheas:

“They smell of the lamp!”

Erasmus,
Adagia,
(Udall, tr. 379).
"To the tables on the third floor ... sit the sophomores assembled ..."
"A straight last shoe!"

Jack A. Braley  
*Des Moines, Iowa*

Ivory Brown  
*Detroit, Michigan*

Thomas R. Buroker  
*Wilton Junction, Iowa*

Christopher Buscaglia  
*Milwaukee, Wisconsin*
Sophs.

Frank M. Clark
Detroit, Michigan

David I. Cramer
Brooklyn, New York

Anthony J. D'Errico
Trenton, New Jersey

Walter J. Duffin
Battle Creek, Michigan

the many hours spent...
Joseph C. Eckert
Ellwood City, Pennsylvania

Eugene Fealk
Detroit, Michigan

Lawrence S. Forman
Philadelphia, Pennsylvania

and spent ...

Angelo J. Freda
Brooklyn, New York
Sophomore Class

Melvyn Friedman
Oak Park, Michigan

Barry Fung
North Point, Hong Kong

Jerald Gach
Detroit, Michigan

... and spent!

Harry Glass
Brooklyn, New York
Robert A. Glick
Slocomb, Alabama

Alvin Goldstein
Brooklyn, New York

Charles H. Gray
Philadelphia, Pennsylvania

Stanley R. Greenberg
Philadelphia, Pennsylvania

Michael A. Grund
West Des Moines, Iowa

Robert S. Hand
Des Moines, Iowa
Sophs.

David E. Harman
Erie, Pennsylvania

Stephen Hauptman
Philadelphia, Pennsylvania

John R. Hickey
West Des Moines, Iowa

Robert Hoffberger
Brooklyn, New York
Philip Hollander  
*Flushing, New York*

David C. Horowitz  
*Bay City, Michigan*

David F. Kaufman  
*Detroit, Michigan*

John R. Kozek  
*West Des Moines, Iowa*

Pharmacology
Sophomore Class in Review
Edward Mastromonaco  
Bayonne, New Jersey

John Q. Mattern II  
Des Moines, Iowa

Daniel B. Mayer  
Tampa, Florida

John W. McDonough II  
Youngstown, Ohio

Dr. Ficke ... before class
John A. McNeil  
*Des Moines, Iowa*

Gerald Miller  
*Des Moines, Iowa*

Jerry L. Nosanchuk  
*Detroit, Michigan*

Allan Paris, Jr.  
*Philadelphia, Pennsylvania*

James S. Paris  
*Struthers, Ohio*

Dennis R. Parker  
*Des Moines, Iowa*
After a convocation

Maurice D. Parry
Cedar City, Utah

Robert P. Paunovich
Youngstown, Ohio

Hipolit Potocki
Detroit, Michigan

Sheldon L. Queler
Bronx, New York
a one minute rinse ...
Michael A. Rush  
Millburn, New Jersey

Ronald Sanzone  
New Hyde Park, New York

Bernard Savitz  
Bala Cynwyd, Pennsylvania

Morning Greeting!

George E. Schuhmacher  
Port Huron, Michigan
Sophomores

Robert Schwab
Brooklyn, New York

Ronald E. Severtis
Akron, Ohio

Harriett C. Sherril
Owasso, Oklahoma

James Shiveley
Albuquerque, New Mexico
Sophs.

Eugene Siegel
Philadelphia, Pennsylvania

James C. Sill
West Des Moines, Iowa

John S. Sinnott
Des Moines, Iowa

The sophomore motto: "Don't tread on me!"
Raymond F. Sorensen  
West Des Moines, Iowa

Roger J. Sorg  
Kettering, Ohio

... many hours in lab

Stephen Stern  
Philadelphia, Pennsylvania

Wesley Sunderman  
Columbus Junction, Iowa
M. Hollis Tanksley  
_Seneca, South Carolina_  
Donald Tonkin  
_Urbandale, Iowa_

---

Alan R. Vasher  
_Wyandotte, Michigan_  
Katherine Vroman  
_Dows, Iowa_
A last look at the Sophomores
"One of the best methods of rendering study agreeable is to live with able men, and to suffer all those pangs of inferiority which the want of knowledge always inflicts."

A new horizon dawns...

Luis F. Barroso  
*Des Moines, Iowa*

Brian J. Beck  
*Detroit, Michigan*

Phillip M. Beyer  
*Delhi, Iowa*

Joseph R. Braun  
*Palisades Park, New Jersey*
Freshmen . . .

Larry J. Breitenstein
Fort Worth, Texas

Edward F. Burke
Archbald, Pennsylvania

Salvatore J. Cerniglia
Bayonne, New Jersey

Robert G. Condra
Norristown, Pennsylvania

Dennis R. Darlak
Dickson City, Pennsylvania

Lowell C. Dertinger
Aurora, Colorado
Freshmen

Peter C. Dodenhoff  
Grosse Pointe, Michigan

Gertrude S. Doughten  
Carlisle, Iowa

Jefferson C. Emery  
Greeley, Colorado

“... and a drop of vanilla for flavor!”

Daniel H. Enneking  
Marcus, Iowa
Richard J. Foster
Geneva, Illinois

Daniel R. Gandy
Des Moines, Iowa

Victor D. Garcia
Youngstown, Ohio

Murray E. Goldberg
Wallingford, Pennsylvania

Only the shadow knows!
Harvey M. Gollman
Milwaukee, Wisconsin

John P. Henn
Des Moines, Iowa

John K. Honeywell
Beggs, Oklahoma

Hugh D. Howard
Warren, Ohio

Jack H. Hufford
Des Moines, Iowa

Harry D. Johnston
McConnellsburg, Pennsylvania

Freshmen . . .
Leslie Kareus  
*Detroit, Michigan*

Allen J. Kline  
*New York, New York*

John Kozura, III  
*Minersville, Pennsylvania*

Dennis W. Kropp  
*Philadelphia, Pennsylvania*
Freshmen . . .

Irwin Landis
Brooklyn, New York

James M. LaRose
Des Moines, Iowa

“...Yes, this is a Brooks Brothers!”

Arnold H. Lockley
Richmond, California

Robert P. Lorey
Des Moines, Iowa
Mario L. Maiese  
*Haddon Heights, New Jersey*

Max T. McKinney  
*Wayne, Michigan*

Barry Mendelson  
*Dayton, Ohio*

Henry J. Monetti  
*Brooklyn, New York*
Leon H. Morris
_Huntington Valley, Pennsylvania_

Anthony Mosca
_Hollsopple, Pennsylvania_

... the training years.

Freshmen

Lawrence E. Nathan
_Detroit, Michigan_

Irwin Nemeth
_Oak Park, Michigan_
Duane D. Olson  
*Denver, Colorado*

Nirmalendu K. Pandeya  
*Grand Island, Nebraska*

Anthony A. Pavone  
*East Detroit, Michigan*

Edward A. Pierce  
*Manhattan Beach, California*
Freshmen . . .

Larry Plosker
Cleveland, Ohio

Patrick J. Reno
Wayne, Michigan

John J. Richardson
Chicago, Illinois

Robert P. Riggs
Richmond Heights, Ohio

George E. Ristow
Albion, Michigan

Roger J. Rohr
Sturgeon Bay, Michigan
Freshmen

Saul Rose  
*Brooklyn, New York*

Charles W. Rudd  
*Houston, Texas*

Sigmond S. Rutkowski  
*Philadelphia, Pennsylvania*

"... An oral complex is really easy to detect."

Gary S. Safier  
*Philadelphia, Pennsylvania*
Gerald R. Safier  
*Philadelphia, Pennsylvania*

John H. Schepman  
*Falls City, Nebraska*

Stanley Schikowitz  
*Flushing, New York*

Donovan Schmidt  
*Des Moines, Iowa*

Leslie A. Schwartz  
*New York, New York*

Richard A. Schwartz  
*Des Moines, Iowa*
"O-kay, I'll play your silly game!"

Richard L. Shaffer  
*Dixon, Iowa*  
Lamya M. Shaheen  
*Utica, New York*

Steven R. Shapiro  
*East Meadow, New York*  
Lawrence Shefter  
*Philadelphia, Pennsylvania*
Freshmen . . .

Christian T. Shimoda
Marshalltown, Iowa

Robert E. Smith
Lovington, New Mexico

Stephen N. Snyder
Chester, Pennsylvania

In Suok Suo
Seoul, Korea

On guard!
Joseph R. N. Thomas, Jr.
Pleasantville, Iowa

Peter J. Tomko
Royal Oak, Michigan

Raffi Toroyan
Des Moines, Iowa

George A. Vasilion
Canton, Ohio
Charles G. Vonder Embse
Lima, Ohio

Richard O. Wagner, Jr.
Sandusky, Ohio

Gerald L. Wathier
Bettendorf, Iowa

John A. Weibel
Denver, Colorado

Allen J. Weinstein
Philadelphia, Pennsylvania

Fredrick L. Williams
Des Moines, Iowa

Freshmen
"My boys always take a nice picture!"
Stephan S. Finkelstein
Hicksville, New York

Anthony C. Korvas
Long Island City, New York
"Honour a physician with the honour due unto him, for the uses which ye may have of him: for the Lord hath created him. For of the most High cometh healing, and he shall receive honour of the King. The skill of the physician shall lift up his head: and in the sight of great men he shall be in admiration."

Apocrypha: Ecclesiasticus, xxxviii, 1-3.
Clinic Admissions Office

Seminar on traumatic injuries with Dr. Gonda

Dr. Driscoll lecturing on congenital heart lesions
College Clinic

Commencing with our class, the entire structure of the clinic was revamped. Dr. Chris Bakris assumed the duties of Clinic Director, and Drs. Bigsby, Gonda and Emmans were designated Clinic Supervisors, each doctor having nine students under his supervision.

Each morning was devoted to two hours of seminar in which case presentations and diagnostic and treatment problems were discussed with the supervisor and fellow students. Similarly, one hour each afternoon was devoted to formal lectures by staff physicians, student presentations of current journal literature, and teaching films.

Dr. Bakris lecturing on fluid balance

Bull session with Dr. Vigoritto

Fred Margolin explaining mechanics of ECG
Dr. Emmans describing to Dr. Benien the surgical management of a femoral aneurysm

Passage of the fetal head through the birth canal
Director of heart station, Dr. Dakovich, examining patient

Students on heart station service thoroughly examining and evaluating each patient
Dr. Woods auscultating fetal heart during routine pre-natal visit

Dr. Clinter cleaning laceration before suturing
Palpation of the popliteal artery as part of the peripheral vascular evaluation
Osteopathic management of chronic fibromyositis

Consultation with pediatric department
Clinics

Classic osteopathic treatment of lumbo-sacral lesion

Dr. Beckman examining a subconjunctival hemorrhage
Fort Des Moines Clinic

The “Fort Clinic” is located on the ground where the future College of Osteopathic Medicine and Surgery will be built. Six student doctors, under the direct supervision of Dr. Jean Le Roque, provide the greatly needed health and medical care for the residents of South Des Moines.

Dr. Jean LeRoque, Clinic Director

Drs. Fredricks and Kaplan awaiting results on an important CBC
Dr. Fredricks taking a lumbar x-ray

Possible pharyngitis?
"If you must listen to his doubtful chest,
Catch the essentials and ignore the rest . . .
So of your questions: don't in mercy, try
To pump your patient absolutely dry;
He's not a mollusk squirming in a dish,
You're not Agassiz, and he's not a fish."

O. W. Holmes,
The Morning Visit.
College Hospital

Old College Hospital has undergone a rapid revitalization this year. A good number of improvements in patient facilities and expansion of staff have bolstered the extern program.

Dr. Thomas Vigorito, director of the extern classes, arranged weekly seminars and case discussions. The services included: medicine, surgery, pediatrics, obstetrics, x-ray, and night and emergency-outpatient departments. Eight seniors served their first quarter's externship at the hospital, six in the second session, and seven in the last two terms.
Dr. McNerny explains a chart.

"Smile you're on Candid Camera!"

"Cheese cake!"

"Dr. Dakovich? ... wrong number!"

"Chit-chat" with Dr. Vigorito.
Six seniors trained at Des Moines General Hospital during the first quarter, eight, the second session, and six again in the last two terms. The program, outside of rounds and services, included departmental lectures, films, and electro-cardiographic interpretation.
Des Moines, Iowa

Concentration

“Art”

Dr. Rose spoofing...
Doctors Hospital

Columbus, Ohio

Doctors Hospital celebrated its twenty-fifth anniversary as the first quarter's extern class completed its term. This year will see the hospital complete two of three planned phases of construction which will give it approximately seven hundred beds.

The hospital is the largest at which Des Moines students extern. There are nearly one hundred and fifty staff members and residents. Seven seniors were assigned to duty in Columbus for the first two terms and ten for second sessions.

"Strabismus (+) bilaterally"

Dr. Cohen discussing a chart.

Drs. Ruth and Bob Steen.
Training at Flint consisted of rounds with specialists and staff members, seminars, and floor services. Six seniors trained in the "Chevrolet City" in each of the terms. One of the outstanding features of the program was the excellent radio-therapy facilities.

In the library: (L. to R.) P. Gold, D. Weiss, Y. Wang, L. Baker, T. Young.
"Heart to heart!"

Dr. No's Lazer ...

Doctors Casey and Zorba
Wilden Hospital

The extern program at Wilden Hospital was directed by Dr. Jay W. Adams and included six services, which were comprised of surgery, medicine, obstetrics, E.E.N.T., pediatrics and night services. Since the number of senior students assigned to Wilden was reduced in the last two quarters, some of the services were combined.

"... and then she said: 'Push that cart!' Well, you know what I did then..."

"Ahh, vintage 1957!"
"It's like I said, Dick, if you can't cut it, you can't cure it!"

Des Moines, Iowa

Clock watch
# Student Organizations

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Student Council

The student council is the official representative and governing organization of the student body and acts as a liaison between the student body and the administration. The responsibility for student participation in curricular activities of the school is invested in the council. The student council is also the instrument whereby all student college social activities and organizational extracurricular activities are regulated.

Pacemaker of 1966 highlights the social and sports activities sponsored by student council.

President Glenn Bigsby

The annual Freshman Registration Dance
Skip Day at Birdland Park

Basketball Tournament at the Jewish Center
Psi Sigma Alpha

Psi Sigma Alpha National Scholastic Honorary Fraternity recognizes and encourages scholarship, friendship, cultural interests and osteopathic progress.

Election to membership in Psi Sigma Alpha is based on broad cultural interests and outstanding scholastic achievement.

Annually, the name of the graduating senior having the highest scholastic record is inscribed on a plaque in the administrative offices.
Sigma Sigma Phi National Honorary Service Fraternity is dedicated to the advancement and promotion of the College, the Osteopathic Profession, and the students of C.O.M.S.

Sigma Sigma Phi activities and services include such projects as loan grants of $250 to worthy Sophomore Students, guided tours of the College, A.O.A. Christmas Seal Drive, publication of the Pacemarker Yearbook and Pulse, the student news publication.

Dr. McLaughlin buying raffle tickets

Annual S. S. P. banquet
Student A.O.A.

Class representatives of the SAOA

Yearbook Staff

Jay Clark
Cover Design

Eli Perencevich
Co-editor and Art

Alex Romashko
Co-editor and Photography

Charlie Pernice
Photography

Bob Driscoll
Fraternities

Herb Chapman
Publisher's Consultant

Lynn Baldwin
Yearbook Advisor
AOA CONVENTION HIGHLIGHTS

By Alan M. Matez

The 39th Annual Convention of the American Osteopathic Association opened in Detroit on Monday, August 2, 1965. Dr. Dale Dodson, president of COMS, opened the convention with the presentation of the 1965-66 budget. The keynote address was given by Dr. David Horowitz, who discussed the future of osteopathic medicine in the United States.

The Al Matez was given by Dr. Dale Dodson. He explored problems and challenges of the Osteopathic Profession. Dr. Dodson is an alumnus of COMS and is a member of the Board of Trustees. He practices in the State of Minnesota.

Following the speakers, a vocal rendition by the choral group of the (Cont. on Page 2)

NEWSPAPER REORGANIZED

Sigma Sigma Phi, the national osteopathic scholastic service fraternity has recently undertaken staffing the editorial section of THE PULSE as one of its related services. The purpose of the publication has been defined as non-partisan presentation of news pertinent to the students and faculty. From procrastination and reorganization, THE PULSE again becomes a reality.

EXCELLENT OPPORTUNITIES AHEAD

(Taken from Occupation Outlook, published by the U. S. Dept. of Labor.)

Osteopathic physicians are notoriously hard to find. The demand is substantial and a shortage exists. But an advantage to owning a practice known more easily than in the centers of large cities.

In the long run, opportunities for (Cont. on Page 4)
Senior wives with Mesdames McLaughlin and Dressler

Junior Wives
Club

Sophomore Wives

Freshman Wives
Before the Christmas Holidays, the Wives Club undertook one of their most fruitful fund raising projects, that of painting colorfully gay Christmas scenes on store showcase windows.

Bobbie DeGennaro putting the finishing touches to her display

The Understand Your Neighbor Panel
A fashion show, sponsored by Maytag, demonstrated the proper and improper care of wash and wear fabrics. Outfits were modeled by the wives.
Thanksgiving baskets for the needy

Pastry and coffee after a busy meeting
Interfraternity Council

The Interfraternity Council is composed of two members from each of the four professional fraternities. The purpose of I.F.C. is to promote interfraternity activities, to judge differences among the fraternities, to regulate freshman rushing and pledging, as well as to maintain the highest caliber of professional ethics.

Sec.-Treas. Mike Medeck; Pres. Harlen Hunter

Representatives to I.F.C.
# Social Activities

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Pacemaker Queen

Claudia Fealk

Sponsored by L.O.G.
Wanna see my tongue?
You are getting very sleepy

Dollars and sense

Sophomores

Litman
McDonough
McNeil
Mastromonaco
Mayer
Paris

Parker
Schuhmacher
Schiveley
Sill
Sinnott
Snow

Sorensen
Sorg
Sunderman
Vasher
Wolf
Zito
Honorary member, scholar ...

Authenticity?

You say you want a girl?
From one gentleman to another

Watch that hand, sister.
Iota Tau Sigma

Charlie and Harlen
Seniors

Richard Bower
Fred Green

Ned Hether
Richard Mills

George Sokos
Bernard Tabor
John Zuransky
You graded 80 exams in 1 hour?
Delta Omega

Dr. Burrows

Gail

Martie

Nowland

Sherrill

Vroman
Lambda Omicron Gamma
Seniors

Baker
Baum
Blotner
Gaba

Gold
Kaplan
Katz
Kauffman

Matez
Lieb
Pollak
Rochlin

Rose
Shapiro
Stein
Schwartz

Tractenberg
Weisenthal
Werbitt
Weiss
Remember, Tuesday we write.
Sophomores
I'm next

Eight—no, down one

Now, when I was a senior.

Lice?
Just try me.

That's better

Emesis basin

1 + 1 = 2

1 + 1 = 3
Phi Sigma Gamma

Mike Medeck, President
Two husbands, four wives

Uncle Milty

Seniors

DeBattista
Frye
Glinier

Hill
Margolin
Perencevich
Peska

Tate
Wang
Wotorsor
Young

221
You keep your hands to yourself
Vertebral fracture (before)
Two clowns and a sleeper

Best cook in city

Blood alcohol 0.15%

Beatle haircut

Jake

Comment unnecessary

Pickles anyone
Welcome to the social whirl at C.O.M.S.

Freshman Registration Dance

The Freshman Registration Dance, an annual affair each October, was held in the Grand Ballroom of the Hotel Savery. This dance is the first College social function of the academic year and affords freshman students the opportunity to become acquainted with Faculty and upperclassmen.

Al and Elaine Rose and dancers
Sitting this set out

Dr. and Mrs. McLaughlin; Mr. and Mrs. Keegan
Dancing the night away

Has anyone got a dime for a cup of coffee?
Oh man, that Horenstein is tremendous!
Host and Hostess, Paul and Mary Ellen Benien

Crowning of the Queen

Claudia Fealk
Ball

Alex Romashko, M.C.; B.S.; M.B.D.O.

1, 2, 3, 4 and 1, 2, 3, 4

King John and the Queens
An annual affair, sponsored and directed by the Student Council, is highlighted by the inter-class softball game. In the championship game, the senior team played valiantly, but the freshman squad could not be vanquished and the seniors, with heads humbly bowed, closed their careers on the diamond without the glory and spoils of victory. Following the sporting activities of the day, a few of the seniors were seen enjoying the picnic dinner served by the faculty at the Birdland shelter house.
Day

Lining up in the chow line

Do you think they'll let us have seconds?
Families

“When the black-lettered list to the gods was presented
(The list of what Fate for each mortal intends),
At the long string of ills a kind goddess relented,
And slipped in three blessings,—
wife, children and friends.”

Wm. Robert Spencer,
Wife, Children and Friends.
This is little Semone Barri Rochlin.

And little Gayle Stacie Shapiro.
"Big Ambrose with Little Ambrose"

Jim Fredricks on his new horse.
Carolyn and Michael Kaplan on Yom Kipper.

Paul Leslie Gaba and "Mom" all dressed up.
Nancy and Kendall Atway

This is Miss Brenda Primrose, after church, on Easter Sunday.
The pride of the Benien family.

Caroline Dean with Ingrid and Anna at a park.
Anne Marie Pernice
6 mos.
Memorial Day: Alex, above; Al, Kerry, Andy and Marcia at the right.
Family Album

A toast from the Perencesiches!

... and the Glinters too!

This Space for Your Family’s Picture

(and write your own caption below!)
## Graduate School and Research

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Graduate School

The Graduate School of the College of Osteopathic Medicine and Surgery offers advanced work leading to the degree of Master of Science in Anatomy, Biochemistry or Physiology. The program is currently administered by Dr. Donald F. M. Bunce, II, as Director of the Graduate School. Faculty members of the Graduate School are also on the College faculty. In this manner the medical orientation of the program is encouraged.

A graduate student in the basic medical sciences selects the course of study most suited to his particular interests. Much time beyond the class level is required in original experimental investigation.

In its second year at C.O.M.S., the school has two students currently enrolled in it: John Clark and David Steenblock. Dr. Thomas Vigorito was the Graduate School's first recipient of the M.S. degree, last June.

An informal seminar
Dr. Thomas Vigorito, the Graduate School's first recipient of the M.S. degree, is now on the faculty as an instructor in Pharmacology.
The Department of Biochemistry, Directed by David Celander, Ph.D., is currently investigating three major areas of research at the College—(1) studies of \textit{in vivo} incorporation of radio selenium (Se75) into proteins and the use of such proteins as tracer substances; (2) \textit{in vivo} and \textit{in vitro} studies of fibrinolytic enzyme systems; and (3) an investigation to establish possible mechanisms operative physiologically in the well documented effect in Osteopathic manipulative therapy in lowering blood pressure. Dr. Celander has been engaged in research on fibrinolytic enzyme systems for over ten years. He has isolated and purified many components as well as developed methods for their assay. He has devoted particular attention to the purification of urokinase, a urinary activator of plasma profibrinolysin, which is becoming of major importance therapeutically.

Dr. Celander's work has been, and continues to be, supported by grants from the National Heart Institute, the National Institute of Arthritis and Metabolic Disease (which only recently awarded him a three-year grant in the amount of $51,419.00), and the American Osteopathic Association.
Research in Biochemistry

Renal scan in the radio-isotope lab.

“100 proof”

Dr. Celander

Mrs. Celander
Research in Physiology

Research in the Department of Physiology is being conducted by Dr. Wilford L. Nusser and Dr. Donald F. M. Bunce, II. Dr. Nusser is continuing the investigation of Wallerian degeneration and regeneration of peripheral nerves following injury. He is using the electron microscope, which is in its second year at C.O.M.S., as his primary research tool. Its use is now being extended to students.

Dr. Bunce's work is in the field of cardiovascular medicine under a grant from the Iowa Heart Association. He is examining specimens of arteries taken from quick-frozen sections. He hopes to learn more about the structure of distended arteries.

Dr. Nusser using the electron microscope.

Careful handling of a dissected nerve branch.
Dr. Bunce at the photo-microscope.

"The baloney slicer."

Arteriovascular studies in the animal laboratory.
Research in Anatomy

“It is estimated that one percent of the population of the United States will develop a renal stone at some time during life; about two-thirds of all urinary calculi in man contains calcium oxalate. Comparatively little is known about the daily intake of oxalate. There appears to be a relationship between high oxalate diet and urinary calculi formation. It is known that the important sources of oxalic acid in our diets come from tea, cocoa, spinach, rhubarb, parsley, and beets. A diet of spinach was given to adult Rana pipiens in order to study the relationship of high dietary intake of oxalate to an increase in oxalate calculi. Histological slides were made of the kidneys and laboratory tests were performed to determine the oxalate content. It was found that a diet composed of spinach does produce urinary calculi.”

(The above is a synopsis of current work in the Department of Anatomy.)
Research in Psychiatry

The Department of Psychiatry is investigating the self-concepts and social values of mental patients. Several senior students have been working on this project. Kenneth Glinter has analyzed the sociopathic values expressed in the book Rebel Without a Cause. Daniel Trachtenberg has analyzed the sociopathic values expressed in the novel Mask of Sanity. He is presently studying the self-concepts of osteopathic students and how these change during their college years. Sanford Pollak is presently studying the self-concepts and social values of delinquent children at the Polk County Juvenile Home. Louis Walk is analyzing the self-concepts and values of two Alcoholics Anonymous groups, one in Des Moines and one in Kansas City. From these studies in the Department of Psychiatry, information related to mental health and mental illness is being gathered.
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