

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)



INDIANA UNIVERSITY SCHOOL OF DENTISTRY

Register for 1950-51, 1951-52
Announcements for 1952-53

INDIANA UNIVERSITY BULLETIN

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BLOOMINGTON, INDIANA

MAY 10, 1952

Staff, 1951-52

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OFFICERS OF THE BOARD

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OFFICERS OF THE SCHOOL OF DENTISTRY

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MAYNARD KIPLINGER HINE, D.D.S., M.S., Dean of the School of Dentistry.

* Elected by the Alumni of the University.

FACULTY OF THE SCHOOL OF DENTISTRY

** The Faculty of the School of Dentistry is arranged alphabetically in the different ranks.

FACULTY AT BLOOMINGTON

MAYNARD KIPLINGER HINE, Dean of the School of Dentistry, and Chairman and Professor of Periodontia.

D.D.S., University of Illinois, 1930; M.S., 1932.

HARRY GILBERT DAY, Acting Chairman, and Professor of Chemistry.

A.B., Cornell College, 1930; Sc.D., Johns Hopkins University, 1933.

PAUL MONTGOMERY HARMON, Chairman, and Professor of Physiology.

A.B., Indiana University, 1914; A.M., 1915; Ph.D., 1920.

RICHARD LOCKWOOD WEBB, Chairman, and Professor of Anatomy.

A.B., University of Illinois, 1924; M.S., 1925; Ph.D., 1931.

RAYMOND GARBOLD MURRAY, Associate Professor of Anatomy.

B.S., Monmouth College, 1937; Ph.D., University of Chicago, 1942.

RICHARD ARTHUR MISSELHORN, Assistant Professor of Dental Anatomy.

A.B., Indiana University, 1929; D.D.S., 1937.

ALFRED WENDEL RICHARDSON, Assistant Professor of Physiology.

B.Ed., Southern Illinois University, 1940; M.S., State University of Iowa, 1947; Ph.D., 1949.

CALVIN CLARENCE TURBES, Assistant Professor of Anatomy (beginning October 1, 1951).

B.S., Iowa State College of Agriculture and Mechanic Arts, 1944; D.V.M., 1944; M.S., Ohio State University, 1949.

RICHARD CURTIS WEBSTER, Assistant Professor of Anatomy.

A.B., University of Louisville, 1938; M.S., 1940; Ph.D., University of Kansas, 1949.

WILLIAM J. FELTS, Instructor in Anatomy.

A.B., University of Michigan, 1948; A.M., 1951.

FACULTY AT INDIANAPOLIS

JAMES WILLIAM ADAMS, Chairman, and Professor of Orthodontia.

B.S., Transylvania College, 1931; D.D.S., Ohio State University, 1936; M.S., University of Illinois, 1939.

DREXELL ALLEN BOYD, Chairman, and Professor of Operative Dentistry.

D.D.S., Indiana University, 1934.

FRANK FORRY, Chairman, and Professor of Pathology.

A.B., DePauw University, 1910; M.D., Indiana University, 1923.

JOHN FRANK HALL, Professor of Oral Surgery.

D.D.S., University of Pittsburgh, 1934; B.S., 1935.

FRANK CARLYLE HUGHES, Chairman, and Professor of Prosthetic Dentistry, and Superintendent of Clinics.

D.D.S., Indiana Dental College, 1918.

HAROLD RAYMOND HULPIEU, Professor of Pharmacology.

A.B., Southwestern College, 1924; A.M., University of Oklahoma, 1924; Ph.D., Johns Hopkins University, 1928.

JOHN FRANCIS JOHNSTON, Professor of Crown and Bridge.

D.D.S., Indiana Dental College, 1921.

EDWIN NICHOLAS KIME, Professor of Anatomy.

A.B., Indiana University, 1914; M.D., 1916; M.D. *cum laude*, 1917.

- THURMAN BROOKS RICE, Chairman, and Professor of Public Health.
A.B., Indiana University, 1914; A.M., 1917; M.D., 1921.
- ERT JAY ROGERS, Professor of Crown and Bridge.
D.D.S., Indiana Dental College, 1919.
- EDWARD BYRON SMITH, Professor of Pathology.
B.S., Indiana University, 1936; M.D., Indiana University, 1938.
- RANDALL L. THOMPSON, Chairman, and Professor of Microbiology.
B.S., University of Washington, 1927; M.S., 1928; Sc.D., Johns Hopkins University, 1931; M.D., University of Chicago, 1940.
- GRANT VAN HUYSEN, Chairman, and Professor of Oral Histopathology.
D.D.S., University of Pennsylvania, 1925.
- GLENN JASPER PELL, Clinical Professor of Oral Surgery.
D.D.S., Indiana Dental College, 1912.
- REUBEN ALBERT SOLOMON, Clinical Professor of Medicine.
B.S., Indiana University, 1915; M.D., 1917; M.D. *cum laude*, 1918.
- JEANE THAYER WALDO, Clinical Professor of Oral Surgery.
B.S., Franklin College of Indiana, 1922; D.D.S., Indiana University, 1925; B.S., 1932; M.D., 1934.
- JACOB KOHN BERMAN, Associate Professor of Surgery.
A.B., Indiana University, 1919; M.D., Jefferson Medical College, 1921.
- ROBERT HAYES DERRY, Associate Professor of Prosthetic Dentistry.
D.D.S., Medical College of Virginia, 1940.
- GEORGE THADDEUS GREGORY, Associate Professor of Oral Surgery, and Consultant in University Hospitals.
D.D.S., Indiana University, 1928.
- HARRY JOSEPH HEALEY, Chairman of Division of Endodontia, and Associate Professor of Operative Dentistry.
A.B., Butler University, 1931; D.D.S., Indiana University, 1931.
- BERNARD AUGUST MARTIN, Associate Professor of Prosthetic Dentistry.
D.D.S., Indiana Dental College, 1924.
- AMOS CHASE MICHAEL, Associate Professor of General Pathology (resigned December 31, 1951).
A.B., DePauw University, 1925; M.D., Indiana University, 1932.
- WILBUR CHAPMAN MOORMAN, Associate Professor of Oral Surgery, and Consultant in University Hospitals (resigned July 15, 1952).
D.D.S., Medical College of Virginia, 1943; M.S., Indiana University, 1950.
- RALPH WILBUR PHILLIPS, Chairman, and Associate Professor of Dental Materials.
A.B., Indiana University, 1940.
- L. RUSH BAILEY, Assistant Professor of Operative Dentistry (resigned November 1, 1951).
D.D.S., Northwestern University, 1934.
- ROBERT GARRETT BOTKIN, Assistant Professor of Crown and Bridge (beginning December 1, 1951).
D.D.S., Indiana University, 1926.
- WILLIAM CLARENCE CLARK, Assistant Professor of Biochemistry and Pharmacology (January 15 to June 30, 1952).
Ph.B., St. Louis College of Pharmacy, 1921; Ph.G., 1924; Ph.C., 1930; B.S., University of Illinois, 1934; M.S., 1947; Ph.D., 1952.

- FREDERICK AROLD HOHLT, Assistant Professor of Operative Dentistry.
D.D.S., Indiana University, 1934.
- ALVIN OVERLIN HUMPHREYS, Assistant Professor of Crown and Bridge (on leave of absence, beginning July 1, 1949; died September 3, 1951).
D.D.S., Indiana University, 1926.
- PAUL ERVIN KING, Assistant Professor of Prosthetic Dentistry.
D.D.S., Indiana University, 1938.
- RALPH EARL McDONALD, Chairman, and Assistant Professor of Pedodontia.
B.S., Indiana University, 1942; D.D.S., 1944; M.S., 1951.
- ROBERT JOSÉPH MEYERS, Assistant Professor of Crown and Bridge.
D.D.S., Indiana University, 1928.
- RICHARD ARTHUR MISSELHORN, Assistant Professor of Dental Anatomy.
A.B., Indiana University, 1929; D.D.S., 1937.
- JOSEPH CHARLES MUHLER, Assistant Professor in Pre-Clinic and Research.
B.S., Indiana University, 1947; D.D.S., 1948; Ph.D., 1952.
- RONALD STANLEY PING, Assistant Professor of Oral Surgery.
D.D.S., Indiana University, 1941.
- LEWIS BENSON SPEAR, Chairman, and Assistant Professor of Roentgenology.
D.D.S., Indiana Dental College, 1917.
- WILLIAM ALLEN SUMMERS, Assistant Professor of Microbiology.
A.B., University of Illinois, 1935; M.S., 1936; Ph.D., Tulane University, 1940.
- HENRY MAURICE SWENSON, Assistant Professor of Periodontia.
B.S., University of Illinois, 1941; D.D.S., 1942.
- MARTHA ANNE ACKERMAN, Instructor in Dental Hygiene.
B.S., University of Michigan, 1951.
- JOHN WALTER BACH, Instructor in Operative Dentistry.
A.B., Dickinson State Teachers College, 1941; D.D.S., Indiana University, 1949.
- ERVINE BYRD BARR, Instructor in Oral Diagnosis.
D.D.S., Indiana University, 1947.
- THOMAS HAROLD BEAVERS, Instructor in Prosthetic Dentistry.
D.D.S., Indiana University, 1944.
- ROBERT PRESTON BOESINGER, Instructor in Operative Dentistry.
D.D.S., Indiana University, 1935.
- EDWARD EMIL BOSH, Instructor in Operative Dentistry.
D.D.S., Indiana University, 1949.
- THOMAS MARTIN BOYD, Instructor in Pedodontia.
A.B., Indiana University, 1941; D.D.S., 1948.
- ALLY NEVILLE BURKS, Instructor in Crown and Bridge.
D.D.S., Indiana University, 1942.
- EDITH DAVIS, Instructor in Periodontia.
D.D.S., Indiana Dental College, 1912.
- JACK DAY DENISON, Instructor in Operative Dentistry.
D.D.S., Indiana University, 1950.
- ROLAND WAYNE DYKEMA, Instructor in Crown and Bridge.
D.D.S., Indiana University, 1947.
- JOHN THOMAS ESMON, Instructor in Operative Dentistry.
A.B., Indiana University, 1942; D.D.S., 1944.

- A. REBEKAH FISK, Director of Dental Hygiene, and Instructor in Clinic.
R.D.H., University of Pennsylvania, 1923.
- ELIZABETH ALLISON GRAVES, Instructor in Pedodontia.
D.D.S., Indiana University, 1948.
- ROLENZO ARLIS HANES, Instructor in Orthodontia.
D.D.S., Indiana University, 1940.
- RUHAMAH HANNAH, Instructor in Radiology.
A.B., Hanover College, 1941.
- RICHARD EUGENE JENNINGS, Instructor in Clinic (resigned October 1, 1951).
D.D.S., Indiana University, 1945.
- HUDSON GAYLOR KELLEY, Instructor in Orthodontia.
D.D.S., Indiana University, 1947; B.S., University of South Carolina, 1948; M.S., Indiana University, 1952.
- CARL ROBERT KOHLMANN, Instructor in Operative Dentistry (beginning October 1, 1951).
D.D.S., Indiana University, 1948.
- WILLIAM IRVIN LAWRENCE, Instructor in Operative Dentistry.
D.D.S., Indiana University, 1947.
- JOHN THEODORE LINDQUIST, Instructor in Orthodontia.
D.D.S., Indiana University, 1947.
- JAMES FITCH MATLOCK, Instructor in Radiology.
D.D.S., Indiana University, 1943.
- WILLIAM DONALD MICHELI, Instructor in Crown and Bridge.
D.D.S., Indiana University, 1943.
- SAMUEL PATTERSON, Instructor in Operative Dentistry.
D.D.S., Indiana University, 1940.
- JOHN CONLEY ROBINSON, Instructor in Periodontia.
D.D.S., Indiana University, 1931.
- JAMES RICHARD ROCHE, Instructor in Pedodontia.
D.D.S., Indiana University, 1947.
- JOSEPH ALBERT ROPSKI, Instructor in Oral Surgery.
D.D.S., University of Buffalo, 1947.
- (Mrs.) PATRICIA PALLARDY ROSENSTIHL, Instructor in Dental Hygiene.
R.H.D., Temple University, 1947.
- WILLIAM GENE SHAFER, Instructor in Histopathology.
B.S., University of Toledo, 1947; D.D.S., Ohio State University, 1947; M.S., University of Rochester, 1949.
- PAUL MAX SHERMAN, Instructor in Prosthetic Dentistry.
D.D.S., Temple University, 1948.
- WILLARD CONKLING STAMPER, Instructor in Pedodontia.
D.D.S., Indiana University, 1937.
- SAMUEL MILES STANDISH, Instructor in Operative Dentistry (beginning April 15, 1952).
D.D.S., Indiana University, 1945.
- JOE GORDON WHITE, Instructor in Prosthetic Dentistry.
D.D.S., Indiana University, 1946.
- GILBERT DIETZ QUINN, Instructor in Periodontia.
D.D.S., Indiana University, 1933.

- ROBERT DOUGLAS ARMSTRONG, Lecturer in Jurisprudence.
A.B., Indiana University, 1915; A.M., University of Wisconsin, 1917; LL.B., George Washington University, 1924; LL.M., 1925.
- RUSSELL ANTHES SAGE, Special Lecturer in Dentistry.
B.S., Indiana University, 1926; M.D., 1928.
- DONALD FREDRIC COLE, Consultant in Prosthetic Dentistry.
D.D.S., Loyola University, 1930; B.S.D., 1931.
- ROBERT FRANK DENNY, Consultant in Prosthetic Dentistry.
D.D.S., Indiana University, 1926.
- DONALD HELTON DRAPER, Consultant in Crown and Bridge.
D.D.S., Indiana University, 1935.
- WILLIAM DUDLEY GAMBILL, Consultant in Oral Diagnosis.
B.S., Indiana University, 1937; M.D., 1939.
- ROBERT KELSEY GEORGE, Consultant in Crown and Bridge.
D.D.S., Indiana University, 1926.
- GERALD ALTON HIATT, Consultant in Crown and Bridge.
D.D.S., Indiana Dental College, 1915.
- RICHARD HARTWELL HOWARD, Consultant in Pedodontia.
D.D.S., Indiana University, 1940.
- CHARLES LEROY HOWELL, Consultant in Public Health Dentistry.
D.D.S., Indiana University, 1946; M.P.H., Johns Hopkins University, 1948.
- PAUL RANDALL OLDHAM, Consultant in Crown and Bridge.
D.D.S., Indiana University, 1927.
- FOREST KENNETH PAUL, Consultant in Crown and Bridge.
D.D.S., Indiana University, 1924.
- GEORGE MAXWELL POWELL, Consultant in Public Health Dentistry.
D.D.S., Loyola University, 1927.
- ROY DANKS SMILEY, Consultant in Public Health Dentistry.
D.D.S., Indiana Dental College, 1908.
- ROBERT FLEISHMAN, Intern in Crown and Bridge.
D.D.S., Indiana University, 1951.
- WALTER SCOTT HARGIS, Intern in Crown and Bridge.
D.D.S., Indiana University, 1951.
- SIDNEY SCHWIMER, Intern in Crown and Bridge.
D.D.S., Indiana University, 1951.
- DONALD LEE WHITEHEAD, Intern in Oral Surgery.
D.D.S., Indiana University, 1951.
- JAMES BURCHARD CARR, Faculty Associate.
D.D.S., Indiana Dental College, 1905.
- WILLIAM PAUL KELLER, Research Assistant in Periodontia.
A.B., Indiana University, 1941; D.D.S., 1943.
- RAYMOND ROGER PRICE, Research Assistant in Dental Materials.
B.S., Purdue University, 1942; D.D.S., Indiana University, 1951.
- EVERETT R. AMOS, Graduate Assistant in the Clinic (beginning January 1, 1952).
A.B., St. John's College, 1929; D.D.S., Indiana University, 1950.

CHARLES THOMAS FRISSELL, Graduate Assistant in Oral Surgery.
D.D.S., St. Louis University, 1946; M.S., Indiana University, 1952.

RICHARD EARL GEIGER, Graduate Assistant in Oral Surgery.
D.D.S., State University of Iowa, 1950.

CHARLES BERNARD SCHIMMELPFENNIG, Graduate Assistant in Pre-Clinic and
Research (February 1 to June 30, 1952).
D.D.S., Indiana University, 1951.

OFFICIAL ASSISTANTS

(Mrs.) MABEL WALKER, Librarian.

(Mrs.) VIRGINIA COLLIER, M.S., Instrument Clerk.

(Mrs.) CLEONA HARVEY, Secretary to the Dean, and Recorder.

PAUL D. JACKSON, B.S.C.E., Superintendent of Buildings and Grounds.

GERTRUDE KATZENBERGER, Office Manager, and Cashier, Main Clinic.

ARTHUR D. LAUTZENHEISER, B.S., Chief Accountant.

JAMES ROBERT NEEL, B.S., Purchasing Agent.

MAX MURPHY SAPPENFIELD, Ph.D., Personnel Director.

RICHARD CLIFTON SCOTT, Division of Dental Art.

MARC G. WAGGENER, Editor, News Bureau.

Calendar, 1952-53

Indianapolis Campus

First Semester, 1952-53

September 22.....	Monday.....	Registration.
September 23.....	Tuesday.....	Classes begin.
October 4.....	Saturday.....	Dental Alumni Day (holiday)
November 26.....	Wednesday (noon).....	Thanksgiving recess begins.
December 1.....	Monday (8 a.m.).....	Thanksgiving recess ends.
December 20.....	Saturday (noon).....	Christmas recess begins.
January 5.....	Monday (8 a.m.).....	Christmas recess ends.
January 26.....	Monday.....	Final examinations begin.
January 31.....	Saturday.....	First semester ends.

Second Semester, 1952-53

February 9.....	Monday.....	Registration—classes begin.
April 2.....	Thursday (5 p.m.).....	Spring recess begins.
April 8.....	Wednesday (8 a.m.).....	Spring recess ends.
June 3.....	Wednesday.....	Final examinations begin.
June 9.....	Tuesday.....	Semester ends.
June 15.....	Monday.....	Commencement.

Bloomington Campus

First Semester, 1952-53

September 15.....	Monday, 8 a.m.....	New student meeting (Junior Division).
September 16, 17.....	Tuesday, Wednesday.....	Registration.
September 17.....	Wednesday, 9 a.m.....	New student meeting (transfer and graduate).
September 18.....	Thursday.....	Counseling day.
September 19, 20.....	Friday, Saturday.....	Enrollment.
September 22.....	Monday, 7:30 a.m.....	Classes begin.
November 25.....	Tuesday, 5:20 p.m.....	Thanksgiving recess begins.
December 1.....	Monday, 7:30 a.m.....	Thanksgiving recess ends.
December 19.....	Friday, 5:20 p.m.....	Christmas recess begins.
January 5.....	Monday, 7:30 a.m.....	Christmas recess ends.
January 23.....	Friday.....	Examinations begin.
January 31.....	Saturday.....	Examinations end.

Second Semester, 1952-53

February 3.....	Tuesday.....	New student meeting (all new students).
February 4, 5.....	Wednesday, Thursday.....	Registration.
February 6, 7.....	Friday, Saturday.....	Enrollment.
February 9.....	Monday.....	Classes begin.
April 1.....	Wednesday, 5:20 p.m.....	Spring recess begins.
April 9.....	Thursday, 7:30 a.m.....	Spring recess ends.
June 1.....	Monday.....	Examinations begin.
June 9.....	Tuesday.....	Examinations end.
June 15.....	Monday.....	Commencement.

Indiana University School of Dentistry

GENERAL INFORMATION

Location of the School. Indiana University School of Dentistry, located at 1121 West Michigan Street, Indianapolis, Indiana, is an integral part of Indiana University's Medical Center. Students gain their educational experience in the Dental School Building and many of the hospitals in the Medical Center. The curriculum for the Freshman year in the School of Dentistry is presented in Bloomington, Indiana, along with the Freshman year in Medical School.

For any information upon any matter connected with dental education, write to the Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis 2, Indiana. Information may be obtained at the main office in the School of Dentistry at any time between 9 a.m. and 5 p.m., except Saturday.

Opportunities in Dentistry. Study of modern social trends in the United States indicates that there will be an increased demand for dental service in the next generation. Young men and women who are ready to choose a vocation now should be advised to consider a career in dentistry, since dentistry has much to offer the individual who elects to study and practice it. The dentist has the satisfaction of knowing his services contribute to the health, comfort, and appearance of his patients, for dentistry has proved itself as an important health service. It is true dentists do not generally become wealthy, but they are reasonably assured of an adequate, dependable income, and a respected place in community life. Usually the dental practitioner may regulate his working hours, and in many ways he enjoys a greater independence than persons in most vocations.

The general practitioner of dentistry is trained to care for a variety of oral diseases, and he finds that each patient presents a different problem in diagnosis and treatment. Most dentists engage in general practice, but there are several recognized specialties in the field of dentistry. For example, the orthodontist is trained to prevent and correct malpositions of teeth, the periodontist to care for diseases of the soft tissues of the mouth, the pedodontist to care for the dental problems of children, the exodontist to extract teeth, the oral surgeon to care for the more complex surgical procedures required in the oral cavity, the endodontist to treat infected root canals of teeth, the prosthodontist to restore lost teeth, and the restorative dentist to replace parts of teeth lost by decay. In addition to these specialties there is a need for dentists in Public Health, Dental Corps of the U.S. Army, Navy, Air Force, Veterans Administration, in research, and in teaching.

To those young men and women who are interested in scientific courses, those who have an interest in developing exacting technical skills, and those who sincerely desire to serve in one of the health professions, dentistry has much to offer.

History and Description. Indiana Dental College was organized in 1879 by a group of members of the Indiana State Dental Associa-

tion in accordance with an agreement with the Indiana General Assembly of that year, which had passed the first law governing the practice of dentistry in Indiana.

It was the ninth dental school to be organized in America and has successfully offered dental education for seventy-three years. Graduates are to be found practicing in practically all civilized countries and in every part of the United States. The School is coeducational.

On June 1, 1925, by act of the Indiana legislature, the College was purchased by the state and became Indiana University School of Dentistry. The Dental School Building, which is complete in every particular, was built in 1934 and is located in the Medical Center on West Michigan Street in Indianapolis.

The Indiana University Medical Center consists of the School of Medicine, the School of Dentistry, the Training School for Nurses, the Robert W. Long Hospital, the James Whitcomb Riley Hospital for Children, the Kiwanis Wing, the Rotary Convalescent Home, Laboratory Science Building, the Clinical Building, and the William H. Coleman Hospital. Such a situation is ideal for the study of dentistry. Students in the School of Dentistry are admitted to all of the University Hospitals for training and observation in hospital procedure.

The School is a member of the American Association of Dental Schools, and is governed by its rules and by those of the Council on Dental Education of the American Dental Association. The course in dentistry covers four academic years, leading to the degree Doctor of Dental Surgery.

Freshman Year at Bloomington. In March, 1940, it was decided by the Board of Trustees that instruction in the fundamental sciences should be given on the Bloomington campus for the Freshman year of dentistry. The change in location of the Freshman dental work does not affect the two-year pre dental and four-year dental plan of education. The curriculum is on the 2-4 plan as outlined by the Council on Dental Education.

There has never been a period in the history of medical and dental education in which the importance of a close university connection is greater than at present. Because there is a close relationship between the School of Dentistry and the remainder of the University and because the practice of dentistry and the different branches of research connected with it are based upon practically the same fundamental sciences as the practice of medicine, it has been deemed advisable to provide facilities for training in fundamental sciences in the regularly established departments of the University for that purpose. Gross anatomy, histology and embryology, physiology, oral anatomy, and biological chemistry are taught to the Freshman dental students in the School of Medicine on the Bloomington campus.

Clinics. The facilities for clinical material at the Indiana University School of Dentistry are excellent. Patients are drawn from a population, including near-by towns connected with Indianapolis, of about 600,000 people.



The variety of cases that present themselves is almost unlimited. Every student in the Dental School has abundant opportunities offered to perfect his technique in placing gold, amalgam, resinous and silicate cement fillings, porcelain and gold inlays, crown and bridge work, partial and full dentures, root canal treatment and filling, radiographic technique, and to study the various pathological conditions that present themselves during the conduct of a dental practice. The clinic is open daily, and is constantly under the supervision of competent instructors.

Hospital patients are available for study in Long Hospital, as the Long Dental Clinic, which has been established for many years, allows the student to study hospital procedures and care of patients in the various departments of the hospital.

RILEY DENTAL CLINIC. Through funds made available to the Indiana State Board of Health from the Federal Social Security Act, equipment was purchased for a dental clinic in the Riley Hospital in the summer of 1942. This equipment was installed on the first floor of the Riley Hospital and provides complete facilities for x-ray restorative, and surgical needs. Students are regularly assigned to this clinic for experience gained in hospital procedures. Patients are chosen from the wards through resident and dental intern contacts, and dental students receive the experience of treating hospitalized patients.

THE CHILDREN'S CLINIC. In May, 1936, through the cooperation of the late Colonel Clinton T. Messner, then chief dental surgeon of the Public Health Service, an agreement was entered into by the federal government and the University. The University agreed that the School of Dentistry would undertake research programs in relation to the problems confronting the public and the profession in the care of children's teeth. In accordance with this agreement the Children's Clinic was established and is one of the most modern and well-equipped clinics in existence. The Children's Clinic was established under the direct supervision of Colonel Messner, an alumnus of the School.

The Library of the School of Dentistry. The library of Indiana University School of Dentistry, located in the Dental-School Building, contains more than 10,000 volumes, covering all of the dental fields and allied subjects. More than 260 dental and medical periodicals are received currently. Each year the library receives numerous gifts of books and periodicals from graduates and friends of the School, many of which help to complete volumes for binding. Many valuable publications are also received through the Medical Library Association Exchange, of which the library is a member. The use of the library is steadily increasing. The library is in charge of two full-time persons under the direction of a committee composed of five members of the Faculty.

*The School of Medicine Building at
Bloomington where Dentistry students
begin their pre-dental work.*

To the Freshman Dental Students and the Predental Students on the Bloomington Campus. For the convenience of the Freshman dental students and the predental students on the Bloomington Campus, an office is maintained on the Bloomington Campus by Dean Maynard K. Hine, of the School of Dentistry. Students may consult Miss Littell in the Dean's Office in the Medical Building, regarding technical details or ask her to arrange an appointment with Dean Hine.

Living Expenses at Bloomington. Room and meals in the residence halls, Bloomington campus, vary from \$295 to \$326 a semester with a few single rooms higher. Rates for married students vary from \$25 a month for a trailer to \$90 a month for a one-bedroom furnished apartment, according to type. Cooperative housing is available to men and women at \$60, room only per semester. Rooms in private residences vary from \$72 to \$108 a semester. Meals are available at restaurants or the University Cafeteria where the average cost a day was \$1.75 in the spring of 1952.

Living Expenses at Indianapolis. Students will find living expenses comparatively reasonable in Indianapolis.

The average gross amount of money spent by Dental School students is largely regulated by the spending habits of the individual. A considerable percentage of students earn their board and lodging outside of school hours. This is desirable only when absolutely necessary, as the school work should be the first and greatest interest in the life of the student.

Fees. All predental students enrolled in the Junior Division or the College of Arts and Sciences, if they are legal residents of the state of Indiana, are charged a fee of \$60 for fifteen hours of work.

Predental students who are not legal residents of the state of Indiana and who are enrolled in the above Schools are charged a fee of \$172.50 for fifteen semester hours of work.

Fees for predental students carrying fewer than or more than the number of hours indicated will be calculated on an hourly basis.

A student who withdraws may, within five days after withdrawal, upon presenting the proper withdrawal notice at the Cashier's office, procure the following refund:

Withdrawal during first or second semester: 75 per cent refund if withdrawal occurs within thirty days of date fees are due; 50 per cent refund if withdrawal occurs within sixty days of date fees are due; 25 per cent refund if withdrawal occurs within ninety days of date fees are due.

Withdrawal during summer session: 75 per cent refund if withdrawal occurs within fifteen days of date fees are due; 50 per cent refund if withdrawal occurs within thirty days of date fees are due; 25 per cent refund if withdrawal occurs within forty-five days of date fees are due.

All students in the School of Dentistry are charged a matriculation fee of \$5 in the first year. Fees for resident students in the Indiana University School of Dentistry are \$150 per semester.

All students in the School of Dentistry who are not legal residents of the state of Indiana shall be charged a fee of \$280 per semester.

In addition to the \$5 matriculation fee, all Freshman Dental students must make a payment of \$20 on first-semester fees. These fees are not returnable except in instances where students are called to active military duty. The Diploma fee, payable fifteen days prior to graduation, is \$15. If a duplicate diploma is issued, a fee of \$5 will be charged.

A fee of \$1 is charged for each make-up or special examination. This fee must be paid to the School of Dentistry and the receipt becomes authorization to the proper instructor for holding the examination.

No student will be admitted to class until arrangements have been made for payment of fees. No exceptions will be made and the student should come prepared to pay his fees.

In case a student is compelled to postpone his work or withdraw, the fees, except Registration fee, will be returnable in full if such action is taken within ten days after registration.

Breakage, damage, and loss of school property must be paid for by the student or students at fault. In case they are not known, it will be charged against the entire class or student body.

The School will not be responsible for the loss of any personal property belonging to any student, whether by theft, fire, or unknown cause; however, each student is provided with a steel locker and a combination lock for the protection of his personal property.

Each student must be supplied through the University Bookstore with the full required list of books. New students are advised not to make purchases until they are supplied with the official list by their instructors. No student is eligible to classes or laboratories until his books have been checked and approved.

General Expenses. Books for the first year at Bloomington will cost approximately \$55. Books for the three years at Indianapolis will cost approximately as follows: Sophomore year, \$120; Junior year, \$78; Senior year, \$28.

Instruments required for the education of a dental student are quite costly, but many of them can be used after graduation if the student exercises care. The approximate cost of the instruments is as follows: Freshman year, \$32.86; Sophomore year, \$615.48; Junior year, \$176.11; Senior year, \$57.56. Engine rental is \$25 a semester during the Sophomore, Junior, and Senior years.

Health Service. The Indiana University Medical Center provides a student health service for students of the Schools of Medicine and Dentistry, the course for laboratory technicians, the Normal College of the American Gymnastic Union of Indiana University, and the Indiana University Division of Social Service. The service is designed to promote the general health of students by offering complete clinical and laboratory examinations, dispensary or infirmary care for minor illnesses, and limited hospital care for major illnesses or surgical procedures. The cost is included in the regular fee.

Honor Fraternity. The national dental honorary fraternity, Omicron Kappa Upsilon, is represented in this School by the Com-

ponent Chapter of Theta Theta with Dr. J. W. Adams, president, Dr. Ralph McDonald, vice-president, and Dr. Henry Swenson, secretary-treasurer. Membership in this fraternity is voted annually by the Faculty members to twelve per cent of the graduating class, and the key, which is symbolic of the fraternity, is awarded to each newly elected member. This election is based upon the merit of the individual student, and all nominations are made from those rating in the upper third of the class. The following members were elected to Omicron Kappa Upsilon in June, 1952: Donald H. Biggs, Edward E. Bosh, Charles W. Gish.

Fraternities. Four national Greek letter dental fraternities for undergraduates have chapters in this School. They are: Alpha Omega, Delta Sigma Delta, Psi Omega, and Xi Psi Phi. Some of these fraternities maintain their own fraternity houses, which offer room and board to their members. They are under the general control of an interfraternity council.

Student American Dental Association. Under the auspices of the American Dental Association and the Faculty there has been organized a chapter of student members of the American Dental Association, which is a fully recognized association to which all students in the Dental School are eligible for membership. In their meetings this chapter considers problems incident to their coming graduate experiences based on the principles established for the guidance and government of the American Dental Association. All members of this group automatically become members of the American Dental Association upon graduation from this institution. Dr. Harry J. Healey is student adviser.

Alumni Association. Through the formation of the Indiana University School of Dentistry Alumni Association many privileges have been offered to the dentists practicing in Indiana. Each alumnus of the School automatically becomes a member of this Association. Dr. Paul Asher was president of the Association in 1950-51, and Dr. Fritz Morris, in 1951-52. Dr. Harry J. Healey is secretary.

Alumni Bulletin. The School of Dentistry has a semiannual publication called the *Alumni Bulletin*. The purpose of the *Bulletin* is to keep the alumni informed regarding the School activities and progress. The members of the Alumni Association receive the *Bulletin* without cost. Professor Ralph W. Phillips is editor of the *Bulletin*.

Student Loan. The School maintains a loan fund for students who would otherwise be unable to continue dental education. The fund will be available to students in the Sophomore, Junior, and Senior years.

Omicron Kappa Upsilon Fund. The honorary dental fraternity offers a loan fund for fees for worthy Senior students.

Lectures and Clinics. Members of the Faculty are available for lectures and clinics before district and local dental societies and study clubs throughout the state.

Requirements for Admission, Promotion, and Graduation

Application for Admission. It is desirable that candidates for Indiana University School of Dentistry make application before the last semester of the academic year preceding that in which they wish to enter. It is not necessary to complete the academic requirements before making application although all requirements must be completed before final acceptance can be given. Application blanks may be obtained from the Dean's Office of the School of Dentistry, 1121 West Michigan Street, Indianapolis 2, Indiana. Application blanks must be completely filled in and accompanied by a photograph and an official transcript from each college attended. An aptitude test is required and a personal interview with the Committee on Admissions is desirable and may be requested.

Requirements for Admission. All entrance credentials must be approved by the Committee on Admissions of the School of Dentistry. Applicants must present: (1) high school credentials which will satisfy requirements for admission to the Junior Division of Indiana University. Although no specific high school courses are required, except those in the usual college entrance courses, it is recommended that the prospective dental student elect economics, psychology, shop work (one unit), history, civics, or English in completing his college entrance requirements, (2) credentials of credit for at least sixty semester hours or at least ninety quarter hours of approved predental collegiate work. The college course must include at least two semesters of credit in English (minimum six hours), two semesters of biology or zoology, two semesters of general physics, two semesters of general chemistry, and a semester's credit in organic chemistry. All science courses must include both class and laboratory instruction. (3) Credit points to equal at least the number of hours of credit (a "C" average). Other factors being equal, preferential consideration will be given to applicants who are residents of Indiana.

Suggested Predental Course. The predental collegiate training may be taken at any accredited college or university. Details of courses offered in the various accredited colleges may vary, so the college courses should be carefully considered when a program is planned, particularly in the field of science. All required science courses, for example, must always include lecture and laboratory, but might give hours of credit different from those indicated in the course as outlined by Indiana University and printed below. Students should submit to the Recorder of the Dental School their proposed program and have it approved early in their predental course to be certain that their program is adequate. Following is the outline of the program for predental courses as it is now presented at Indiana University on the Bloomington Campus.



FIRST YEAR

	Hours		Hours
Chemistry C105	5	Chemistry C106	5
English W101	2	Zoology Z206	4
Zoology Z103	5	English W102	2
Electives	3 or 4	Mathematics M120, M130*	5
Total†	15 or 16	Electives	0 or 5
		Total†	16

SECOND YEAR

Physics P201	5	English W103	2
Organic Chemistry C341	5	Physics P202	5
Electives	4 or 5	Electives8 or 9
Total†	14 or 15	Total†	15 or 16

Students who have taken their predental work in other schools and desire to enter Indiana University School of Dentistry will be required to have their work evaluated to determine whether or not it has met the standards of admission.

The following courses are recommended as desirable electives: Foreign Language, two semesters; Psychology P101, P111-P112; Embryology (Zoology Z367); Greek and Latin Elements in Medical Terminology (Classics C209); courses from Groups IV A and IV B listed under Combined Degrees (below); General and Human Heredity (Zoology Z364); Public Speaking (Speech S121-S122); General and Individual Hygiene (Hygiene P306); American Literature (English L353-L354-L355). Courses in comparative anatomy and embryology are considered valuable preparatory courses for subjects in the School of Dentistry.

Dental Course. Students are enrolled each September for the dental course which consists of eight separate semesters of sixteen weeks each. The first two semesters are given in Bloomington and the last six semesters in the Medical Center in Indianapolis. Details of the dental course are given in another section of this Bulletin. The degree conferred is Doctor of Dental Surgery.

Combined Academic and Dental Degrees. The Faculty of the College of Arts and Sciences and the School of Dentistry Faculty have approved a seven-year course in Arts and Dentistry leading to the degrees Bachelor of Science and Doctor of Dental Surgery. The following curriculum has been approved for those students who wish to obtain the B.S. degree and who will enter the School of Dentistry after six semesters (ninety semester hours) in the College of Arts and Sciences.

* These courses are necessary as a prerequisite to physics in the second year if the student has not had two years of high school algebra and one semester of trigonometry.

† Since a student may carry up to 16 hours a semester without special permission, the total of hours a semester is made variable in order to accommodate the selection of electives.

FIRST YEAR

	Hours		Hours
Chemistry C105	5	Chemistry C106	5
English W101	2	Mathematics M120, M130*	5
Foreign Language	5	Foreign Language	5
Group IV A or IV B elective.....	3	Group IV A or IV B elective.....	0 or 5
Total	15	Total	15

SECOND YEAR

Chemistry C341	5	Physics P202	5
Physics P201	5	or	
Zoology Z103	5	Zoology Z206	4
English W102	2	English W103	2
Group IV A or IV B elective.....	3	Psychology P101	3
		Group IV A or IV B elective.....	3
Total	15	†Free electives	2 or 3
		Total	15

THIRD YEAR

Zoology Z103	5	Zoology Z206	4
or		or	
Physics P201	5	Physics P202	5
†Electives	10	†Electives	8 or 9
Total	15	Classics C209	2
		Total	15

FOURTH YEAR

(First Year Dental School)‡

Biochemistry	5	Physiology	8
Human Anatomy	6	Oral Human Anatomy	3
Oral Human Anatomy	3	Human Anatomy	6
Histology and Embryology	5	Dental Seminar	1
Total	19	Total	18

Subjects included in Group IV A or IV B electives are listed. Choice of electives taken should be approved by the Recorder of the Dental School or the Dean of the College of Arts and Sciences.

The Faculty of the College of Arts and Sciences has also approved a curriculum leading to the A.B. degree for students entering the School of Dentistry which shall include the requirement, in addition to those set forth for the B.S. degree, that the student pass the proficiency examination in a modern language. This will ordinarily require that the student enroll in six hours of the language during his third semester, postponing his Group IV A or IV B requirements until his fifth semester.

The courses of Group IV A are the following:

Anthropology: A101-A102

History: H103-H104, H105-H106, H203-H204, H213-H214-H215

* See note on page 19.

† Electives should be so chosen that the student will complete 18 hours in Groups IV A and IV B, with a minimum of 6 hours in each group and a maximum of 6 hours in any one subject counting toward this requirement. The third six-hour elective can be most conveniently taken in the electives of the Junior year.

‡ Not more than 30 hours of this work may be counted toward the B.S. or the A.B. degree.

Government: G103-G104
 Economics: E201-E202, E300
 Sociology: S161-S162
 Geography: G203, G313

The courses of Group IV B are the following:

Classics: C206-C207
 English: L101-L102
 French: Any third- or fourth-year course of a literary character
 German: Any third- or fourth-year course of a literary character
 Greek: Any literary course beyond the first ten hours of college work or its equivalent
 Italian: M102, M211-M212, and more advanced courses of a literary character
 Latin: Any literary course beyond the first ten hours of college work or its equivalent
 Spanish: Any third- or fourth-year course of a literary character
 Fine Arts: Courses in history of art
 Music: Courses in history and appreciation of music
 Philosophy: P100, P203; P250 or P240; P313, P315
 Slavic Studies: R354-R355, R365

Admission to Advanced Standing. The student who desires admission to advanced standing in the School of Dentistry must present credentials showing that he has completed beginning studies in a school which has at least comparable preliminary requirements and maintains a similar curriculum. Examinations in all subjects may be required of applicants for advanced standing. Students thus admitted must spend at least two semesters (the Senior year) at Indiana University School of Dentistry in order to be eligible for a degree. Please write the Dean of the School of Dentistry, 1121 West Michigan Street, Indianapolis 2, Indiana, for further information.

Rules for Attendance and Promotion. 1. In any course the minimum attendance for which credit will be given, or which will admit a student to final examination, is 85 per cent of the time scheduled for instruction in that course. The margin of 15 per cent absence is provided to accommodate only unavoidable absence due to illness, death of relatives, delayed registration, or other causes, and it is not contemplated that this concession shall apply other than to exceptional cases.

2. In case of serious personal illness, properly attested, during the school year whereby a student's attendance falls to not below 75 per cent he may be permitted to make up 10 per cent of the required 85 per cent minimum by systematic work during vacation under competent instruction at his own expense. Such work must be done at the School and have the sanction of the Dean and the instructor in charge of the course.

3. Instruction in all courses will begin as scheduled. No student may obtain credit for the year's work who has not completed his registration within one day after the last stated day for registration.

4. Students will be penalized by double absence marks for absences on the two days immediately preceding and one day immediately following any scheduled vacation.

5. A student's grade of scholarship in each of his courses is determined by the combined results of examinations and classroom

work. The quality of a student's work will be indicated by the following grades: A, B, C, D, and F (failure). The term "incomplete" will be limited to satisfactory work which is not complete. This term will not be used to signify work of inferior quality.

6. A failure ("F") requires repetition of the course or additional work approved by the Dean.

7. Any student who fails to report for examination or fails to perform any part of the required work in any course will receive an incomplete.

8. Failure to remove an incomplete grade within six months, to the entire satisfaction of the instructor in charge and of the Dean, will constitute a failure.

9. A student who has incompletes or failures, or both, in courses amounting to more than 30 per cent of the scheduled hours for the semester may be dropped from his class.

10. No student will be promoted to advanced standing unless he has to his credit an equal number of hours and credit points.

11. The Faculty reserves the right to terminate the connection of any student with the School at any time for improper conduct, gross immorality, or lack of sufficient progress in the work, and under such circumstances no fees will be returned.

Summer Sessions. The dental clinics will be open during most of the summer months to allow Indiana University students to obtain added clinical instruction and experience. Attendance is not required.

Graduation. Candidates for the degree Doctor of Dental Surgery must possess good moral character, must have been students of good deportment while in school, and have completed all of the required work of the curriculum to the satisfaction of the Faculty.

Courses in the School of Dentistry, 1952-53

** Indiana University adopted a new course numbering system, effective in 1950-51. In the following course statements the letter before course number indicates field of study or category, the first digit of the course number indicates the year in which the course is offered, as follows: 5, Freshman; 6, Sophomore; 7, Junior; 8, Senior. The figures given in parentheses with "cr." indicate credit hours. These courses are subject to change without notice.

Anatomy

Anatomy A511-A512. Human Anatomy I-II. (6-6 cr.)
Mr. WEBB and staff.

A lecture and laboratory course dealing with gross anatomical features of the human body, with special emphasis on the head and neck.

D501-D502. Anatomy, Oral: Freshman I-II. (3-3 cr.)
Drs. MISSELHORN, LAWRENCE.

Morphological study of the teeth, their arrangement and occlusion.

Anatomy A513. Histology. (5 cr.) Mr. MURRAY.

Study of the histogenesis and minute structure of human tissues and organs, and the morphologic evidence of their function.

D603. Histology and Embryology, Oral: Sophomore. (2 cr.)
Drs. VAN HUYSEN, SHAFER.

Microscopical study of oral tissues and their development, including lecture and laboratory work. Slides, radiographs, and fresh tissues from the dental clinic will be used to correlate structure and function.

D807. Anatomy, Applied: Senior. (1 cr.)
Drs. KIME, VAN HUYSEN.

A comprehensive review of the head and neck, with a liberal use of prepared specimens and other aids. Lectures stress the relationship of anatomical structures to clinical procedure.

Biochemistry

Chemistry C580. Biological Chemistry: Freshman. (5 cr.)
Mr. DAY, Dr. MUHLER.

Lectures, recitations, and laboratory. Chemical nature of major tissue constituents, intermediary metabolism and the chemical regulation of body functions. Principles of nutrition and emphasis on the biochemistry of the teeth. The laboratory work demonstrates metabolic patterns and chemical methods of examining biological materials.

Crown and Bridge

D604. Crown and Bridge: Sophomore. (3 cr.)
Drs. JOHNSTON, BURKS.

Lecture and laboratory course covering the fundamentals, indications, contra-indications, and construction of the full veneer and partial veneer crowns, the inlay as a retainer, the use of the pinledge, the soldered joint and sub-occlusal rest, the indications and contra-indications for fixed bridges.

D701-D702. Crown and Bridge: Junior I-II. (4-3 cr.)

Drs. JOHNSTON, BOTKIN, MICHELI.

Lecture, laboratory, and clinical practice on diagnosis, pontic design and construction; indications and construction of porcelain and acrylic veneers, the plastic-faced gold crown, and the anterior-MacBoyle retainer.

D801-D802. Crown and Bridge: Senior I-II. (3-3 cr.)

Drs. JOHNSTON, BOTKIN, MICHELI.

Lecture, laboratory, and clinical practice on the upper molar and lower bicuspid partial veneer crown, the hydrocolloid technique, fundamentals of occlusal reconstruction and restoration of vertical diversion.

D809. Advanced Crown and Bridge Technic: Senior II. (1 cr.)

Dr. JOHNSTON.

This course includes a consideration of bite opening, use of hydrocolloid technique, and the construction of bridges and partial veneer crowns.

Dental Materials

D611-D612. Dental Materials: Sophomore I-II. (1-1 cr.)

Mr. PHILLIPS.

Physical and chemical properties of materials used in dentistry, and the effect of manipulation upon these properties. Clinical applications are stressed.

Microbiology

J650. Microbiology: Sophomore. (4 cr.)

Drs. THOMPSON, SUMMERS, and staff.

An introduction to the study of the infectious diseases with emphasis on the nature of the agents responsible and the reaction of the body to them. Two hours of lectures and four hours of laboratory.

Nutrition and Public Health

D503. Dental Seminar: Freshman II. (1 cr.)

Dr. MUHLER.

A series of lectures and discussions on various aspects of dentistry will be presented, which are designed to aid in the orientation of the Freshman dental students.

D610. Personal Hygiene: Sophomore. (1 cr.)

Dr. RICE.

The theory underlying the avoidance of infection; subjects relating to fatigue, physical adjustment to the practice of dentistry as a profession, marital life, and other life situations.

D806. Public Health: Senior. (1 cr.)

Drs. HOWELL, SMILEY.

Lectures and discussion of problems relating to Public Health as applied to dentistry; how health problems are integrated with local communities; state and national programs.

D808. Nutrition: Senior. (1 cr.)

Dr. RICE.

Operative Dentistry

D621-D622. Operative Dentistry: Sophomore I-II. (4-3 cr.)

Drs. D. A. BOYD, HOHLT.

Fundamental principles and technical procedures of operative dentistry, including classification and selection of instruments, cavity preparations, physical properties, and manipulation of filling materials and root canal technique are presented in this course, which prepares the student for clinical practice in the Junior year.

D721-D722. Operative Dentistry: Junior I-II. (4-3 cr.)

Drs. D. A. BOYD, HEALEY, HOHLT, BACH, BOESINGER, BOSH, ESMON, KOHLMANN, PATTERSON.

Clinical applications of operative procedures taught in the Sophomore year are made in this course, supplemented by discussions and demonstrations of operating positions at the dental chair, use of separating devices, and control of pain. All clinical procedures are carried out by students under direct supervision.

D810. Advanced Operative Technique: Senior II. (1/2 cr.)

Dr. D. A. BOYD.

Special instruction will be given in this course on gold foil restorations, autoresins, the indirect inlay techniques, and the airbrasive technique.

D821-D822. Operative Dentistry: Senior I-II. (4-4 cr.)

Drs. D. A. BOYD, HEALEY, HOHLT, BOESINGER, BOSH, ESMON, PATTERSON.

Seminars and lectures are continued through the first semester with clinical practice the entire year. Oral examination, diagnosis, and treatment planning, and studies of erosion, hypoplasia, and dental anomalies receive special attention. The practice of root canal therapy, covering all phases of pulpal involvements, is stressed.

*Oral Diagnosis***D711-D712. Oral Diagnosis: Junior I-II. (1½-1½ cr.)**

Drs. ROGERS, AMOS.

Students are given lectures and clinical practice in oral examination, history taking, and coordination of symptomatology. Emphasis is placed upon interpretation of radiographs, and detecting etiologic factors, both systemic and local, of oral disorders. Clinical teaching is supplemented by already prepared case histories with color photographs.

D811-D812. Oral Diagnosis: Senior I-II. (½-½ cr.)

Drs. ROGERS, AMOS.

A continuation of the diagnosis course given in the Junior year (D711-D712). The Senior student is scheduled for clinical practice only and thereby has an opportunity to see and study at first hand the various kinds of oral diseases present in the many patients who appear for treatment.

*Oral Surgery***D704. General Anesthesia in Oral Surgery: Junior. (1 cr.)**

Dr. HALL.

General anesthetics for ambulatory and hospitalized patients are considered. Particular attention is given to nitrous oxide, oxygen, vinethene, ethyl chloride, and pentothal sodium. During the second semester small groups are assigned to surgery, for demonstrations or anesthetization of patients, and surgical technic for patients under general anesthesia is demonstrated.

D731-D732. Oral Surgery: Junior I-II. (1½-1½ cr.)

Drs. GREGORY, PING, ROPSKI.

Lecture course covering local anesthesiology, surgical anatomy, basic principles of diagnosis, routine and surgical removal of teeth, infections of the face, neck, and mouth, diseases of the oral cavity, and adjacent tissues. Clinical demonstrations and supervision of operations of routine and minor oral surgery cases are included in this course.

D706. Principles of Surgery: Junior. (1 cr.)

Dr. BERMAN.

This course is designed to inculcate in the student an appreciation of the fundamental principles of surgery as applied to the mouth. Emphasis is placed upon surgical pathology and surgical physiology rather than technique.

D831-D832. Oral Surgery: Senior I-II. ($1\frac{1}{2}$ - $1\frac{1}{2}$ cr.)

Drs. HALL, GREGORY, PING, ROPSKI,
and guest lecturers.

The course includes lectures, seminars, clinical practice, and demonstrations of diagnosis, treatment planning, and surgical treatment of oral disorders, including tumors, impacted teeth, alveolar abscesses, deformities, harelip and cleft palate, and fractures of the jaws.

Orthodontia

D601-D602. Fundamentals of Occlusion: Sophomore I-II. (1-1 cr.)

Dr. ADAMS and graduate students.

Lectures and demonstrations one hour each week introduce the student to problems associated with diagnosis of dental and facial anomalies. The normal pattern of the face and the fundamental principles of normal occlusion are emphasized; special attention is given to the growth and development of the face and dental mechanism.

D741-D742. Orthodontia: Junior I-II. ($1\frac{1}{2}$ cr.)

Drs. ADAMS, HANES, LINDQUIST.

The lecture each week is devoted to the analysis of dental and facial anomalies and the study of diagnostic methods and classifications. In the lecture and laboratory period of the second semester the student learns treatment procedures and performs technical exercises used in the prevention and correction of malocclusions.

D803. Orthodontia: Senior. ($\frac{1}{2}$ cr.)

Dr. ADAMS.

The student attends orthodontic clinics and employs the principles and techniques previously taught in conjunction with pedodontia.

Pathology

C650. General Pathology: Sophomore. (4 cr.)

Drs. FORRY, SMITH, SHAFER.

In the study of the principles of disease production in the human body, gross specimens and histologic analyses are used as the means of teaching the common ways in which the living tissues and organs of the body respond to various injurious agents.

D608. Pathology, Oral: Sophomore. (2 cr.)

Drs. VAN HUYSEN, SHAFER.

Detailed studies of developmental abnormalities and acquired disorders of the teeth and surrounding structures are made in this course. Illustrated lectures and a laboratory course are designed to teach the student the microscopic and clinical picture of oral lesions. Close association is maintained between this and the clinical dental departments.

Pedodontia

D708. Pedodontia: Junior. (1 cr.)

Dr. McDONALD.

This semester's lectures include child management, juvenile dental anatomy, and preventive procedures used in pedodontics.

D709. Advanced Pedodontia: Junior. ($\frac{1}{2}$ cr.)

Dr. McDONALD.

A laboratory course designed to acquaint the student with current advanced technical procedures in the field of pedodontics.

D841-D842. Pedodontia: Senior I-II. (2-1 cr.)

Drs. McDONALD, GRAVES, STAMPER.

Special operative and reparative procedures for the child patient are covered in this lecture course. In addition, assignments in the children's clinic during the year afford the student ample practical experience in pedodontics.

Periodontia

D605. Oral Hygiene: Sophomore. (1 cr.) Dr. HINE.

The importance of oral health and methods of its preservation are discussed.

D751-D752. Periodontia: Junior I-II. (1½-½ cr.)

Drs. HINE, SWENSON, DAVIS, ROBINSON, QUINN.

This course includes a study of the periodontal diseases confronting the general practitioner: their etiology, symptomatology, and accepted methods of treatments.

D851-D852. Periodontia: Senior I-II. (½-½ cr.)

Drs. HINE, SWENSON, DAVIS, ROBINSON, QUINN.

A review of principles taught in preceding years, with emphasis upon instrumentation and clinical procedures. Most subject material is provided by clinical cases.

Pharmacology and Therapeutics

B650. Pharmacology: Sophomore. (2 cr.)

Mr. HULPIEU, Mr. CLARK.

A study of the effect of drugs on body function. A discussion of the mechanism by which drugs produce their effects, illustrated by laboratory observation of the action of representative drugs upon living organisms.

D705. Dental Therapeutics: Junior. (1 cr.)

Dr. PING.

A lecture and quiz course designed to produce competency in prescription writing, use of drugs in a rational therapeutic manner and supported by pharmacotherapeutics, toxicology, posology, and materia dentica.

D781-D782. Internal Medicine: Junior I-II. (1-1 cr.)

Dr. SOLOMON.

A discussion of the more important systemic diseases and of the drugs used in their treatment.

Physiology

Physiology P510. Human Physiology: Freshman. (8 cr.)

Mr. RICHARDSON.

The course includes a study of muscle, nervous systems, body fluids, circulation, respiration, digestion, metabolism, excretion, endocrines, sense organs, and body systems.

Practice Management

D607. History of Dentistry: Sophomore. (1 cr.) Dr. JOHNSTON.

Lectures include consideration of dentistry in prehistoric, ancient, mediaeval and modern periods with discussions of the development of modern phases of practice. Development of dental education is traced, and the dental code of ethics explained.

D804. Jurisprudence: Senior. (1 cr.)

Mr. ARMSTRONG.

Lectures and study of cases on elementary law, with special reference to contracts and torts, as applied to dental practice and on the professional relation, its duties and liabilities, malpractice and statutes governing dental practice.

D805. Practice Management: Senior. (1 cr.)

Dr. JOHNSTON and guest lecturers.

Discussions are presented of office management, patient relations, professional cooperation, collections, insurance, investments, and taxes.

Prosthetic Dentistry

D631-D632. Prosthetic Dentistry: Sophomore I-II. (4-3 cr.)

Dr. DERRY.

Lectures and laboratory exercises in the basic techniques relative to prosthetic dentistry. Assignments are designed to utilize the student's time to the greatest advantage in preparing him to solve the clinical problems which he will encounter in his Junior and Senior years.

D761-D762. Prosthetic Dentistry: Junior I-II. (3-3 cr.)

Drs. HUGHES, DERRY.

Lectures, seminars, reading assignments, and clinical practice in the various problems encountered in prosthetic procedures. Special consideration is given to diagnosis and treatment planning and their influence on prosthetic procedures. Students are first given comparatively simple clinic assignments proceeding with the more difficult problems as they gain experience.

D861-D862. Prosthetic Dentistry: Senior I-II. (2-4 cr.)

Drs. HUGHES, DERRY, MARTIN, KING, SHERMAN, WHITE.

Demonstrations, lectures, seminars, and clinical practice covering all phases of denture prosthetics. Special consideration is given to diagnosis and treatment planning, with clinical assignments in the treatment of cleft palate and other abnormalities.

Radiodontia

D771-D772. Radiodontia: Junior I-II. (2½-½ cr.)

Dr. SPEAR, Miss HANNAH, Dr. MATLOCK.

The lectures include a study of the physical principles of radiographs, terminology, manipulation of the x-ray machine, dangers of x-rays, processing of films and interpretation of radiographs. Students are assigned on service daily throughout the Junior and Senior years, making exposures, processing films, and interpreting radiographs.

Special Clinics

Junior and Senior students are scheduled in numerous special clinics in the Indianapolis General Hospital, Riley, Long Hospitals as well as the School of Dentistry.

Summer Session

Clinical Dental Procedures. (6 cr.)

Clinical staff.

In this course students will be permitted to perform dental treatments in the School of Dentistry clinics. The course is offered to advanced students on a full or half-time basis. Students electing to spend full time in this course will be given six hours of elective credit.

School of Dentistry Curriculum

FRESHMAN YEAR Semester Hours Credit

	First Semester		Second Semester		Total Credit Hours	Total Clock Hours
	Lecture	Laboratory or Clinic	Lecture	Laboratory or Clinic		
Histology and Embryology	2	3	0	0	5	120
Oral Anatomy	1	2	1	2	6	180
Physiology	0	0	5	3	8	165
Gross Anatomy	3	3	3	3	12	270
Biochemistry	3	2	0	0	5	105
Dental Seminar	0	0	1	0	1	15
Total					37	855

SOPHOMORE YEAR

Prosthetic Dentistry	1	3	1	2	7	180
Operative Dentistry	1	3	1	2	7	180
Oral Histology and Embryology	1	1	0	0	2	45
Crown and Bridge	0	0	1	2	3	75
Microbiology	0	0	2	2	4	90
General Pathology	2	2	0	0	4	90
Dental Materials	1	0	1	0	2	30
Oral Hygiene	0	0	1	0	1	15
Pharmacology	0	0	1	1	2	45
Personal Hygiene	1	0	0	0	1	15
History of Dentistry	1	0	0	0	1	15
Fundamentals of Occlusion	1	0	1	0	2	30
Oral Pathology	0	0	1	1	2	45
Total					38	855

JUNIOR YEAR

Operative Dentistry	1	3	1	2	7	255
Prosthetic Dentistry	1	2	1	2	6	210
Crown and Bridge	1	3	1	2	7	255
Dental Therapeutics	0	0	1	0	1	15
Radiodontia	2	$\frac{1}{2}$	0	$\frac{1}{2}$	3	75
Orthodontia	1	0	1	$\frac{1}{2}$	$2\frac{1}{2}$	$52\frac{1}{2}$
General Anesthesia and Oral Surgery	1	0	0	0	1	15
Oral Diagnosis	1	$\frac{1}{2}$	1	$\frac{1}{2}$	3	75
Periodontia	1	$\frac{1}{2}$	0	$\frac{1}{2}$	2	60
Oral Surgery	1	$\frac{1}{2}$	1	$\frac{1}{2}$	3	75
Principles of Surgery	0	0	1	0	1	15
Internal Medicine	1	0	1	0	2	30
Pedodontia	0	0	1	0	1	15
Advanced Pedodontic Technique..	0	0	0	$\frac{1}{2}$	$\frac{1}{2}$	15
Total					40	$1,162\frac{1}{2}$

SENIOR YEAR

Applied Anatomy	0	0	1	0	1	15
Operative Dentistry	1	3	0	4	8	330
Advanced Operative Technique ..	0	0	0	$\frac{1}{2}$	$\frac{1}{2}$	15
Pedodontia	1	1	0	1	3	105
Crown and Bridge	1	2	1	2	6	210
Advanced Crown and Bridge Technique	0	0	0	1	1	30
Oral Surgery	1	$\frac{1}{2}$	1	$\frac{1}{2}$	3	75
Oral Diagnosis	0	$\frac{1}{2}$	0	$\frac{1}{2}$	1	45
Periodontia	0	$\frac{1}{2}$	0	$\frac{1}{2}$	1	45
Prosthetic Dentistry	0	2	1	3	6	240
Jurisprudence	0	0	1	0	1	15
Nutrition	0	0	1	0	1	15
Orthodontia	0	0	0	$\frac{1}{2}$	$\frac{1}{2}$	$22\frac{1}{2}$
Public Health	1	0	0	0	1	15
Total					35	$1,192\frac{1}{2}$

This schedule is subject to change.

Graduate Study in Dentistry

The Graduate School of the University offers courses open to graduates of dentistry leading to the degree Master of Science. These courses are designed to afford educational opportunities for persons interested in expanding their knowledge in certain phases of dentistry, in dental research, and in teaching.

A limited number of students who possess approved qualifications are accepted for graduate work. Application forms may be obtained from the administrative office of the School of Dentistry. Admission to the Graduate School is granted by the Dean of that School after approval of the application by the School of Dentistry. University regulations as to registration and fees in the Graduate School apply to these courses.

Prerequisites. 1. A minimum of sixty semester hours of credit in the liberal arts college of an accredited institution.

2. A degree in dentistry from a recognized dental school.

3. Grades of sufficient quality to meet the requirements of the Graduate School.

Requirements. 1. Each graduate student will follow a program of study outlined by the Dean of the Dental School and the major departments involved and approved by the Dean of the Graduate School. The program will emphasize a thesis as well as courses in the major subject and will include courses in one or more closely allied fields.

2. At least thirty semester hours of University credit, including the thesis, must be earned, with a minimum of twenty hours in the major subject. Not more than eight credit hours may be allowed for clinical courses.

3. Candidates for the Master of Science degree must conduct a research problem and prepare a satisfactory thesis. Credits of longer than five years standing may not be counted toward the degree, except as validated by the Dean of the School of Dentistry and the Dean of the Graduate School.

4. Graduate students may become candidates for the degree Master of Science upon certification by the Dean of the School of Dentistry to the Dean of the Graduate School that the student is qualified for advancement to candidacy. This certification must occur at least one semester before the completion of the program of graduate study.

5. Graduate students who complete this program of study and research with a high standard of achievement, and who pass successfully comprehensive examinations at the end of the period, will be eligible for the degree Master of Science.

Graduate work in the School of Dentistry leading to the degree M.S. from the Graduate School of Indiana University consists of advanced laboratory, clinical lecture, library, and seminar courses in the following fields: Dentistry, Orthodontia, Oral Pathology.

Advanced courses (lectures, laboratory work seminars, and special assignments) (credit arranged) are offered in the following subjects: D901, Advanced Oral Histology; D902, Advanced Oral Pathology; D903, Advanced Oral Bacteriology; D904, Advanced Anatomy of Head and Neck; D905, Growth and Development of Head; D906, Fundamentals of Occlusion; D907, Advanced Dental Materials.

Research (credit arranged) is offered in: D921, Oral Histology; D922, Oral Pathology; D923, Oral Bacteriology; D924, Periodontia; D925, Pedodontia; D926, Orthodontia; D927, Dental Materials; D928, Prosthodontia.

Advanced clinical courses (credit arranged, not to exceed 8 hours) are given in the following subjects: D940, Advanced Orthodontia; D941, Advanced Pedodontia; D942, Advanced Radiology; D943, Advanced Periodontia; D944, Advanced Oral Surgery; D945, Advanced Prosthodontia.

D960, Thesis Seminar (credit arranged).

The Curriculum for Dental Hygienists

Because of the rapidly increasing need for dental hygienists, the Indiana University School of Dentistry now offers a two-year curriculum leading to a certificate in Dental Hygiene. Both high school graduates and transfer students from other colleges and universities are eligible to enroll for this program.

The dental hygienist is proving to be a valuable aid to the dentist, since she can make an important contribution to the dental health of patients. The dental hygienist studies a professional program which entitles her, upon graduation and successful passage of a state board examination, to perform a specific service in the mouths of children and adults, to take and develop x-rays, and to assume other responsibilities in the dental office, or to participate as a health worker in a city, state, or county health program. Dental hygienists should not be confused with dental assistants, since the training of a dental assistant is primarily vocational education, or on-the-job training, as she does not work directly on patients and is not licensed by the state. Most dentists who employ a dental hygienist also employ one or more dental assistants.

The history of the profession of dental hygiene is within the life span of many of its members. The profession emerged in the second decade of this century because some progressive members of the dental profession were convinced that dentistry should not be practiced solely for the *relief* of pain, but for the *prevention* of such discomfort. Dentists began the practice of preventive methods, which meant that they required their patients to return to the office at regular intervals for a dental prophylaxis (cleaning of teeth) and to exercise daily home care of the mouth as instructed. The results of this type of practice were very gratifying, but so time-consuming that dentists did not have sufficient time for the necessary amount of operative work which was still necessary, and which was their chief source of income.

Dr. Alfred C. Fones, of Bridgeport, Connecticut, solved the problem by training his dental assistant as a hygienist, so that she could perform a dental prophylaxis. At the end of five years he was so impressed that he organized a course for training young women which he offered in 1913; in 1916 it was taken over to well established educational institutions. Today courses for dental hygienists are offered by many of the leading colleges and universities of the country, and hygienists are licensed by law to practice in forty-eight states, the District of Columbia, and Hawaii.

DENTAL HYGIENE CURRICULUM

FIRST YEAR

First Semester

Human Biology
English Composition
Introduction to Biochemistry
Dental Anatomy
Nutrition
Introduction to Clinical Practice

Second Semester

Human Biology
English Composition
Microbiology
Pharmacology and Therapeutics
Psychology
Clinical Practice

SECOND YEAR

Radiology
Dental Materials
Public Speaking
Sociology
Oral Pathology
Clinical Practice

English Composition
Educational Psychology
Dental Health Education Methods
Public Health and Personal Hygiene
First Aid
Clinical Practice

Although the Dental Hygiene program can be completed in two years, students who wish to continue their education may apply their credits toward a Bachelor's degree in the College of Arts and Sciences.

For further information, write the Director, Curriculum for Dental Hygienists, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, Indiana.

List of Students, First and Second Semesters, 1950-51

FRESHMEN

Alling, EmeryIndianapolis
Amos, DavidGary
Bachelle, CecilFort Wayne
Baldwin, James.....Carrollton, Ill.
Ball, RobertRichmond
Baugh, RobertBloomington
Beck, JosephMichigan City
Berger, JohnMishawaka
Blu, RobertSouth Bend
Bly, PhillipIndianapolis
Bogan, RobertIndianapolis
Brannan, JohnSouth Bend
Bresick, RobertWhiting
Cabage, AlbertBoonville
Calland, JamesIndianapolis
Carlson, RoyEast Chicago
Carr, GuthrieWest Lafayette
Clarke, TheodoreBristol
Cook, CarltonElkhart
Crouse, JackAnderson
Dawson, RobertEast Chicago
Day, RobertTerre Haute
Denver, PaulBrooklyn, N.Y.
English, AllenRensselaer
France, RoyBoonville
Fread, DonaldTerre Haute
Fujimoto, RoyceLawai, Hawaii
Gardiner, GlenFort Wayne
Goode, DamonIndianapolis
Gordon, MichaelEast Chicago
Halsey, RobertEvansville
Hammelman, RobertPoseyville
Heiny, WilliamTerre Haute
Hendricks, JamesBedford
Hinton, Bailey, Jr.New Albany
Hooper, JackEvansville
Johns, RobertHammond
Kerr, HarryIndianapolis
Krause, JamesPetersburg
Libke, JosephSullivan
McClaghan, WilliamElkhart
McDowell, RalphIndianapolis
Miller, OwensGary
Miller, WilliamElkhart
Murrell, RobertMarion
Parks, WilliamTerre Haute
Phillips, LloydSullivan
Phillips, MarcellaGary
Phillips, RichardTerre Haute
Pollack, EdwinBrooklyn, N.Y.
Putnam, RichardFort Wayne
Raibley, ParvinOwensville
Rhine, GilbertCarmel
Robinson, RobbieIndianapolis
Rumbaugh, IrmaFort Wayne
Seircle, RobertElwood

Seaman, VictorGreenwood
Shideler, WilliamLogansport
Shirey, RobertIndianapolis
Snyder, HughMilford
Spees, DonaldZionsville
Stahl, LeonardLowell
Szakaly, JohnSouth Bend
Tharp, DavidTrafalgar
Thomas, GeorgeGary
Warpenburg, MarionPoseyville
Weinsoff, JackIndianapolis
Witters, AllanHebron
Wood, RobertIndianapolis
Worster, JamesConnersville

SOPHOMORES

Asahina, SanfordHonolulu, Hawaii
Baker, DaleOdon
Bewick, CharlesGary
Braden, PaulIndianapolis
Brennan, RalphGary
Brown, LoftusDanville
Carnes, RobertRichmond
Conrad, WilliamAnderson
Crawford, WilliamIndianapolis
Disser, LouisShelbyville
Drakos, ThomasGary
Dunfee, ArnoldPlymouth
Ellins, BernardMiami, Fla.
Garman, ThomasGoshen
Goris, DaleWest Lafayette
Grassmyer, WendellMonticello
Heath, WayneFort Wayne
Holder, JamesElberfeld
Horn, Bert, Jr.Evansville
Hyslop, StanfordFrancisco
Kelly, WilliamOxford
Kemper, WalkerIndianapolis
Kerlin, RichardSullivan
Kilty, MarkHuntington
Lawton, EdwardSouth Bend
Lehman, DavidIndianapolis
Linderman, MartinSouth Bend
McClure, DavidButler
McCormick, FrancisWaynetown
McDonald, WalterNorth Salem
McKean, ThomasMontpelier
Mapes, JohnBedford
Marshall, RobertTerre Haute
Maxwell, HaroldGary
Meek, WilliamIndianapolis
Mercer, VictorIndianapolis
Morris, EstellDale
Motsinger, HarrySalem
Peet, WilliamIndianapolis
Plaschkes, HenryIndianapolis
Potasnik, WilliamWhiting

Reinking, RichardFort Wayne
 Remley, BasilAnderson
 Rhode, HowardSyracuse
 Rigg, CharlesGary
 Risinger, WayneIndianapolis
 Robbins, ArthurPaoli
 Rohn, RalphAlexandria
 Ruiz, BenitoRio Piedras, P.R.
 Sabel, CharlesIndianapolis
 Scherrens, CyrielGary
 Sears, HollisWilliams
 Shaver, Harry, Jr.Logansport
 Stetzel, RobertFort Wayne
 Tanner, ThomasIndianapolis
 Turner, LeonBrazil
 Vinzant, RobertHobart
 Vogel, JohnEvansville
 Vorwald, JamesGary
 Wagner, RobertGary
 Wilson, RobertMichigan City

JUNIORS

Aponte, RafaelPonce, P.R.
 Applegate, RowlandHenryville
 Baker, WilliamTerre Haute
 Baldrige, OdusIndianapolis
 Barker, GeraldIndianapolis
 Barnes, JamesMunster
 Benjamin, EdgarBicknell
 Besch, ErnestIndianapolis
 Brown, RodneyEvansville
 Brubaker, DeanFlora
 Buechler, NorbertFerdinand
 Byrd, Thomas, Jr.Danville
 Cain, WilliamLa Fontaine
 Cardwell, AlfredGary
 Cassidy, JosephRanger
 Cheek, DanielTerre Haute
 Chidalek, TonyKnox
 Chong, HarveyHilo, Hawaii
 Clarke, CalvinIndianapolis
 Combs, ElbertHanover
 Cox, RobertIndianapolis
 Cunningham, DonaldSummitville
 DuMond, JohnGary
 Duncan, ElmerIndianapolis
 Ehret, JohnIndianapolis
 Ellis, EugeneElkhart
 Epstein, GeraldIndianapolis
 Ernsting, RichardIndianapolis
 Frye, David, Jr.Indianapolis
 Gilliom, ArthurIndianapolis
 Glasser, HaroldIndianapolis
 Glassley, DonaldFort Wayne
 Grayson, AlvinIndianapolis
 Haynes, RobertIndianapolis
 Helmick, GeorgeWinchester
 Hicks, E. WilliamEvansville
 Hogue, JesseHammond
 Houck, GeorgeHammond
 Huff, AlvaEnglish
 Humphrey, JamesTerre Haute
 Hutton, CharlesIndianapolis

Iturrino, RaulCanovanas, P.R.
 Janes, RayIndianapolis
 Justus, GeorgeTerre Haute
 Kelley, WilliamIndianapolis
 Kemp, RobertEvansville
 Kleeger, SimonIndianapolis
 Lawton, LeonardIndianapolis
 Lieb, RichardKendallville
 Lindley, WilliamSullivan
 Llewellyn, RalphTerre Haute
 Mann, RobertIndianapolis
 Maxedon, RobertEvansville
 McCrory, JamesBerne
 McCullough, ErvinIndianapolis
 McGriff, WilliamDanville
 Meyer, RobertBrookville
 Minear, RichardColumbia City
 Moore, EarlFrancesville
 Morton, WilburIndianapolis
 Newland, RobertBedford
 Phelps, RodneyIndianapolis
 Querry, RalphMedaryville
 Quillen, RobertIndianapolis
 Reynolds, GlennIndianapolis
 Rothhaar, RaymondAuburn
 Rumbaugh, LeoFort Wayne
 Schimmele, RalphFort Wayne
 Scott, CharlesIndianapolis
 Shoemaker, CarlPrinceton
 Shoemaker, WilliamMishawaka
 Smith, MauriceTipton
 Switzer, CharlesLafayette
 Tarplee, RobertIndianapolis
 Thibodeau, EdwardAmsterdam, N.Y.
 Thomas, HarveyIndianapolis
 Turber, FrankPrinceton
 Walters, RobertLebanon
 Ward, WilsonFort Wayne
 Weatherholt, HowardFort Wayne
 Webb, RobertDanville
 Wiesler, DonaldFort Wayne
 Yaeger, JamesWhiting
 Young, NormanIndianapolis

SENIORS

Alexander, DarrellMuncie
 Barkes, Walter, Jr.Mishawaka
 Bean, TheodoreValparaiso
 Bechtel, DavidGoshen
 Beidelman, EdwardEvansville
 Beitelshes, RichardHuntington
 Berry, LeRoy, Jr.Indianapolis
 Bollman, CarlNappanee
 Buchanan, RichardBurnettsville
 Burns, WilliamLafayette
 Bushong, JohnCrawfordsville
 Callaway, GlennConnorsville
 Conger, WilliamPlymouth
 Cook, BruceHammond
 Copeland, MaxIndianapolis
 Cottrell, HubertVincennes
 Cunningham, GeorgeVincennes
 Denton, CharlesMadison

Detroy, William	Evansville	O'Neal, Robert	Urbana, Ill.
Eilar, John	Albuquerque, N.M.	Price, Raymond	Plymouth
Fleishman, Robert	Indianapolis	Prost, Jack	Paterson, N.J.
Gallagher, Robert	Gary	Purlee, Charles	Borden
Geedy, Robert	Huntington	Redish, Charles	Bloomfield, N.J.
Gooliak, George	Indianapolis	Reichle, John	Frankfort
Gordon, Richard	Lynn	Risch, John	Indianapolis
Gray, Gordon	Martinsville	Roberts, Arthur	Indianapolis
Green, Robert	Terre Haute	Routt, Roy	Indianapolis
Hamer, Charles	Hartford City	Schimmelpfennig, Charles	Boonville
Hanrahan, James	Terre Haute	Schweitzer, Jerome	Riverdale, N.Y.
Hapak, Francis	Whiting	Schwimer, Sidney	Indianapolis
Hargis, Walter	Indianapolis	Shellenberger, Robert	Evansville
Harper, Frank	Indianapolis	Sheridan, Roland, Jr.	Liberty
Havlick, Paul	Valparaiso	Smith, Clarence	Evansville
Holstein, Robert	Terre Haute	Steinman, Carl	Delphi
Huffer, Robert	Frankfort	Stunkard, Robert	Brazil
Jeffery, Don	Indianapolis	Taggart, Dean	Whiting
Koss, Betty	Indianapolis	Taylor, James	Muncie
Lucarelli, Lawrence	Universal	Thompson, Alden	Hebron
Malcolm, James	Three Rivers, Mich.	Tyte, Donald	Wabash
Marascio, Victor	Indianapolis	Underwood, Robert	Kokomo
McClure, James	Fort Wayne	Walden, Donald	Denver, Colo.
Mendenhall, John	Fowler	Weber, Henry	Huntington
Metcalf, Howard	Indianapolis	Welch, George	Indianapolis
Mott, James	Warren	Whitehead, Donald	Evansville
Mounts, Wayne	Owensville	Williams, Alfred	Hattiesburg, Miss.
Newman, Kenneth	Indianapolis	Williams, Eugene	Richmond
Norris, Will	Rushville	Williams, Robert	Whiting

Graduates, 1950

Alexander, Jack	Bronx, N.Y.	Laybold, Ralph	Indianapolis
Amos, Everett	Indianapolis	Light, Jack	New York, N.Y.
Bailey, Paul	Marion	Linnemeier, Robert	Columbus
Barkes, Robert	Mishawaka	Matthews, Jerome	Indianapolis
Baxla, Marvin	Muncie	Moseley, Kent	Millersburg, Ky.
Cantrell, Frederick	Oakland City	Orr, Richard	Sullivan
Carmody, John, Jr.	Indianapolis	Pirtle, Paul	Indianapolis
Chinn, Frank, Jr.	Indianapolis	Risley, H. T.	Oakland City
Daily, Robert	Indianapolis	Roll, Corliss	Hamilton, Ohio
Denison, Jack	Indianapolis	Scholl, William	Evansville
Dick, Harold	Cicero	Shroyer, J. Watt	Muncie
Dirlam, James	Bowling Green	Simmonds, James	Anderson
Eitnier, Samuel	Hillsboro	Smith, Franklin	Indianapolis
Fall, James	Macy	Smith, Kenneth	Mishawaka
Farley, Francis	Albuquerque, N.M.	Spaulding, John	Indianapolis
Fay, Seymour	Syracuse, N.Y.	Stein, Howard	Newark, N.J.
Felten, Arnold	Indianapolis	Stone, John	Fort Branch
Finkbiner, Charles	Indianapolis	Taylor, Omer	Middletown, Ohio
Flannagan, Charles	Jasper	Terpinas, Thomas	Frankfort
Garrard, Robert	Terre Haute	Vize, C. William	Evansville
Hall, Ray	Bedford	Vogel, William	New York, N.Y.
Harris, Robert	Lafayette	Vorhies, Jack	Indianapolis
Harrison, Earl	Kuttawa, Ky.	Waymire, Joseph	Elwood
Heimansohn, Henry	Indianapolis	Wolin, Arthur	New York, N.Y.
Hodges, John	Richland	Youmans, Robert	Clinton
Hoppes, Dean	Anderson	Zarin, Isadore	Cleveland, Ohio
Johnson, Harry	Palisades Park, N.J.		

List of Students, First and Second Semesters, 1951-52

FRESHMEN

Anderson, DonaldIndianapolis
Atkinson, RobertRockport
Aton, CharlesGary
Bell, S. WallaceBedford
Benjamin, LewisIndianapolis
Blake, ThomasMuncie
Borkowski, M. JohnValparaiso
Bowker, WilliamSouth Bend
Brinker, GlennEvansville
Carr, W. KelleyWest Lafayette
Cole, EldonElkhart
Dettman, FredBloomington
Driver, JohnIndianapolis
Eaton, VirgilSulphur
Enlow, RandallBloomington
Ferguson, ArchieLa Fontaine
Hayes, RoyBoonville
Glassman, NormanNewark, N.J.
Greif, CharlesEvansville
Hale, FloydWorthington
Hall, CharlesChandler
Halle, RaymondEast Chicago
Harris, LyleAkron
Harris, RichardZionsville
Harrison, RichardAnderson
Hayes, DanRichmond
Heyde, RussellRochester
Hollingsworth, LeonardRussiaville
Hughes, WendellTopeka
Infante, CharlesMonticello
Jamison, RobertTerre Haute
Jancosek, ThomasWhiting
Johnson, RobertCarmel
Karpinski, ArthurAuburn, N.Y.
Keesling, GeorgeNewcastle
Keck, Peter, Jr.Fort Wayne
Kimche, AaronWashington, D.C.
Kuhn, RobertEvansville
Marshall, Roy, Jr.Columbus
Marshall, WilliamLinton
Meyer, GeneIndianapolis
Michel, GrantDale
Miller, DelmarTerre Haute
Modjeski, ClarenceHammond
Oldham, JohnSullivan
Percival, RobertNashville
Petriella, AnthonyElkhart
Quill, ThomasIndianapolis
Riffle, WilliamIndianapolis
Rinard, JoeFarmland
Roetker, RobertTerre Haute
Ross, JackTerre Haute
Rue, J. EllisNew Albany
Scales, IraBoonville
Schwartz, DonaldMishawaka
Scull, JordanDale

Shaffer, WilliamMuncie
Shulman, JerrySouth Bend
Stevens, MelvinMartinsville
Stikeleather, DonaldEvansville
Stuart, BernardFort Wayne
Stucker, WilliamMadison
Taylor, EugeneIndianapolis
Todd, JacksonBedford
Tritle, KennethOrleans
Vince, WilliamEast Chicago
Walling, RichardEvansville
Williams, VeirlLynn
Williamson, LowellAnderson

SOPHOMORES

Alling, EmeryIndianapolis
Bachelle, CecilIndianapolis
Baldwin, JamesCarrollton, Ill.
Ball, RobertRichmond
Baugh, RobertBloomington
Beck, JosephMichigan City
Berger, JohnMishawaka
Blu, RobertSouth Bend
Bly, PhillipIndianapolis
Bogan, RobertIndianapolis
Brannan, JohnSouth Bend
Bresick, RobertWhiting
Cabage, AlbertBeech Grove
Calland, JamesIndianapolis
Carlson, RoyEast Chicago
Carr, GuthrieWest Lafayette
Clarke, TheodoreBristol
Cook, CarltonElkhart
Crouse, JackAnderson
Dawson, RobertEast Chicago
Day, RobertTerre Haute
Denver, PaulBrooklyn, N.Y.
English, AllenRensselaer
Fread, DonaldTerre Haute
Fujimoto, RoyceLawai, Hawaii
Gardiner, GlenFort Wayne
Goode, DamonIndianapolis
Gordon, MichaelEast Chicago
Halsey, RobertEvansville
Hammelman, RobertPoseyville
Heiny, WilliamTerre Haute
Hendricks, JamesIndianapolis
Hinton, Bailey, Jr.Indianapolis
Hooper, JackIndianapolis
Johns, RobertHammond
Kerr, HarryIndianapolis
Krause, JamesPetersburg
Libke, JosephSullivan
McCloughan, WilliamElkhart
McDowell, RalphIndianapolis
Miller, OwensGary
Miller, WilliamElkhart

Parks, WilliamTerre Haute
 Phillips, LloydSullivan
 Phillips, RichardTerre Haute
 Pollack, EdwinBrooklyn, N.Y.
 Putnam, RichardFort Wayne
 Raibley, ParvinOwensville
 Rhine, GilbertCarmel
 Robinson, RobbieIndianapolis
 Rumbaugh, IrmaFort Wayne
 Seircle, RobertElwood
 Seaman, Victor, Jr.Greenwood
 Shideler, WilliamLogansport
 Shirey, RobertIndianapolis
 Snyder, HughMilford
 Spees, DonaldZionsville
 Stahl, LeonardLowell
 Szakaly, JohnSouth Bend
 Warpenburg, MarionPoseyville
 Weinsoff, JackHuntington
 Witters, AllanHebron
 Wood, RobertIndianapolis
 Worster, JamesConnersville

JUNIORS

Asahina, SanfordHonolulu, Hawaii
 Baker, DaleIndianapolis
 Bewick, CharlesGary
 Braden, PaulIndianapolis
 Brennan, RalphGary
 Brown, LoftusIndianapolis
 Carnes, RobertRichmond
 Conrad, WilliamAnderson
 Crawford, WilliamIndianapolis
 Dissler, LouisShelbyville
 Drakos, ThomasGary
 Dunfee, ArnoldPlymouth
 Ellins, BernardMiami, Fla.
 Garman, ThomasGoshen
 Goris, DaleWest Lafayette
 Grassmyer, WendellMonticello
 Haynes, RobertIndianapolis
 Heath, WayneFort Wayne
 Holder, JamesElberfeld
 Horn, Bert, Jr.Evansville
 Hyslop, StanfordFrancisco
 Kelly, WilliamOxford
 Kemper, WalkerIndianapolis
 Kerlin, RichardSullivan
 Lawton, EdwardSouth Bend
 Lehman, DavidIndianapolis
 Linderman, MartinSouth Bend
 Mapes, JohnBedford
 Marshall, RobertTerre Haute
 Maxwell, HaroldGary
 McClure, DavidButler
 McCormick, FrancisWaynetown
 McDonald, WalterNorth Salem
 McKean, ThomasMontpelier
 Meek, WilliamIndianapolis
 Mercer, VictorIndianapolis
 Morris, EstellDale
 Motsinger, HarrySalem
 Peet, WilliamIndianapolis

Plaschkes, HenryIndianapolis
 Potasnik, WilliamWhiting
 Reinking, RichardFort Wayne
 Remley, BasilAnderson
 Rhode, HowardSyracuse
 Rigg, CharlesGary
 Risinger, WayneIndianapolis
 Robbins, ArthurPaoli
 Rohn, RalphAlexandria
 Ruiz, BenitoRio Piedras, P.R.
 Sabel, CharlesIndianapolis
 Scherrens, CyrielIndianapolis
 Sears, HollisWilliams
 Shaver, Harry, Jr.Logansport
 Stetzel, RobertFort Wayne
 Tanner, ThomasSouth Bend
 Turner, LeonBrazil
 Vinzant, RobertHobart
 Vogel, JohnEvansville
 Vorwald, JamesGary
 Wagner, RobertGary
 Wilson, Robert, Jr.Michigan City
 Young, NormanIndianapolis

SENIORS

Aponte, RafaelPonce, P.R.
 Applegate, RowlandHenryville
 Baker, WilliamTerre Haute
 Baldridge, OdusTerre Haute
 Barker, GeraldIndianapolis
 Barnes, JamesMunster
 Benjamin, EdgarBicknell
 Besch, ErnestCibola, Tex.
 Brown, RodneyEvansville
 Brubaker, DeanFlora
 Buechler, NorbertFerdinand
 Byrd, Thomas, Jr.Danville
 Cain, WilliamLa Fontaine
 Cardwell, AlfredGary
 Cassidy, JosephRanger
 Cheek, DanielTerre Haute
 Chidalek, AnthonyKnox
 Chong, HarveyIndianapolis
 Clarke, CalvinIndianapolis
 Combs, ElbertHanover
 Cox, RobertRichmond
 Cunningham, DonaldSummitville
 DuMond, JohnGary
 Duncan, ElmerIndianapolis
 Ehret, JohnIndianapolis
 Ellis, EugeneIndianapolis
 Epstein, GeraldIndianapolis
 Ernsting, RichardIndianapolis
 Frye, David, Jr.Indianapolis
 Gilliom, ArthurIndianapolis
 Glasser, HaroldEau Gallie, Fla.
 Glassley, DonaldFort Wayne
 Grayson, AlvinIndianapolis
 Helmick, GeorgeWinchester
 Hicks, E. WilliamEvansville
 Hogue, JesseHammond
 Houck, GeorgeHammond
 Huff, Alva, Jr.English

Humphrey, James	Terre Haute	Phelps, Rodney	Indianapolis
Hutton, Charles	Logansport	Querry, Ralph	Medaryville
Iturrino, Raul	Canovanas, P.R.	Quillen, Robert	Indianapolis
Janes, Ray	Indianapolis	Reynolds, Glenn	Indianapolis
Justus, George	Terre Haute	Rothhaar, Raymond	Auburn
Kelley, William	Indianapolis	Rumbaugh, Leo	Fort Wayne
Kemp, Robert	Evansville	Schimmele, Ralph	Fort Wayne
Kleeger, Simon	Indianapolis	Scott, Charles	Indianapolis
Lawton, Leonard	Indianapolis	Shoemaker, Carl	Princeton
Lieb, Richard	Kendallville	Shoemaker, William	Mishawaka
Lindley, William	Sullivan	Smith, Maurice	Tipton
Llewellyn, Ralph	Terre Haute	Switzer, Charles	Lafayette
Mann, Robert	Indianapolis	Tarplee, Robert	Indianapolis
Maxedon, Robert, Jr.	Evansville	Thibodeau, Edward...Fort Lauderdale, Fla.	
McCrory, James	Berne	Thomas, Harvey	Indianapolis
McCullough, Erwin, Jr....	Indianapolis	Turber, Frank Jr.	Princeton
McGriff, William	Indianapolis	Walters, Robert	Lebanon
Meyer, Robert	Brookville	Ward, Wilson	Fort Wayne
Minear, Richard	Columbia City	Weatherholt, Howard	Fort Wayne
Moore, Earl	Francesville	Webb, Robert	Danville
Morton, Wilbur	Indianapolis	Wiesler, Donald	Fort Wayne
Newland, Robert	Bedford	Yaeger, James	Whiting

Graduates, 1951

Alexander, Darrell	Muncie	Malcolm, James	Three Rivers, Mich.
Barkes, Walter, Jr.	Mishawaka	Marascio, Victor	Indianapolis
Bean, Theodore	Valparaiso	McClure, James	Fort Wayne
Bechtel, David	Goshen	Mendenhall, John	Fowler
Beidelman, Edward	Evansville	Metcalfe, Howard	Indianapolis
*Beitelshees, Richard	Huntington	Mott, James	Warren
Berry, LeRoy, Jr.	Indianapolis	Mounts, Wayne	Owensville
Bollman, Carl	Nappanee	Newman, Kenneth	Indianapolis
Buchanan, Richard	Burnettsville	Norris, Will	Rushville
Burns, William	Lafayette	O'Neal, Robert	Urbana, Ill.
Bushong, John	Crawfordsville	Price, Raymond	Plymouth
Callaway, Glenn	Connersville	Prost, Jack	Paterson, N.J.
Conger, William	Plymouth	Purlee, Charles	Borden
Cook, Bruce	Hammond	Redish, Charles	Bloomfield, N.J.
Copeland, Max	Indianapolis	Reichle, John	Frankfort
Cottrell, Hubert	Vincennes	Risch, John	Indianapolis
Cunningham, George	Vincennes	Roberts, Arthur	Indianapolis
Denton, Charles	Madison	Routt, Roy	Indianapolis
Detroy, William	Evansville	Schimmelpfennig, Charles	Boonville
Eilar, John	Albuquerque, N.M.	Schweitzer, Jerome	Riverdale, N.Y.
Fleishman, Robert	Indianapolis	Schwimer, Sidney	Indianapolis
Gallagher, Robert	Gary	Shellenberger, Robert	Evansville
Geedy, Robert	Huntington	Sheridan, Roland, Jr.	Liberty
Gooliak, George	Indianapolis	Smith, Clarence	Evansville
Gordon, Richard	Lynn	Steinman, Carl	Delphi
Gray, Gordon	Martinsville	Stunkard, Robert	Brazil
Green, Robert	Terre Haute	Taggart, Dean	Whiting
Hamer, Charles	Hartford City	Taylor, James	Muncie
Hanrahan, James	Terre Haute	Thompson, Alden	Hebron
Hapak, Francis	Whiting	Tyte, Donald	Wabash
Hargis, Walter	Indianapolis	Underwood, Robert	Kokomo
Harper, Frank	Indianapolis	Walden, Donald	Denver, Colo.
Havlick, Paul	Valparaiso	Weber, Henry	Huntington
Holstein, Robert	Terre Haute	Welch, George	Indianapolis
Huffer, Robert	Frankfort	Whitehead, Donald	Evansville
Jeffery, Don	Indianapolis	Williams, Alfred	Hattiesburg, Miss.
Koss, Betty	Indianapolis	Williams, Eugene	Richmond
Lucarelli, Lawrence	Universal	Williams, Robert	Whiting

* Received Diploma in September.

List of Dental Hygiene Students

FIRST-YEAR STUDENTS, 1950-51

Havens, Charlotte A.	Indianapolis	Mann, Barbara S.	Indianapolis
Hiatt, Margaret J.	Marion	Oakes, Mary Louise	Kane, Pa.
Horn, Gloria L.	Spencerville	Revers, Pauline Constance	La Porte
Jarrell, Nina M.	Plymouth	Walter, C. Lucile	Tell City
Johnson, Joyce	Ripon, Wis.		

SECOND-YEAR STUDENTS, 1951-52

Havens, Charlotte A.	Indianapolis	Mann, Barbara S.	Indianapolis
Hiatt, Margaret J.	Marion	Oakes, Mary Louise	Kane, Pa.
Horn, Gloria L.	Spencerville	Revers, Pauline Constance	La Porte
Jarrell, Nina M.	Plymouth		

FIRST-YEAR STUDENTS, 1951-52

Cleveland, Ruth Carroll	Fort Wayne	Morris, Frances Jean	Decatur
Davis, Beatrice Elmina	Elkhart	Nichols, Jo Ann	Indianapolis
Davis, Geraldine Ann	Granger	Noirot, Nannette Ann	Waterloo
Gilchrist, Elizabeth	Indianapolis	Shideler, Marilou	Logansport
Holdeman, Juanita Jeane	Bristol	Stanley, Madelena S.	Indianapolis
Keenan, Mary Anne	Fort Wayne	Strebig, Jeanne Marie	Fort Wayne
Malacina, Joan Marion	Hammond	Whaley, Shirley Maxine	Indianapolis

*Outside of back cover:
The Indiana University Medical
Center at Indianapolis (School of
Dentistry Building in foreground).*

