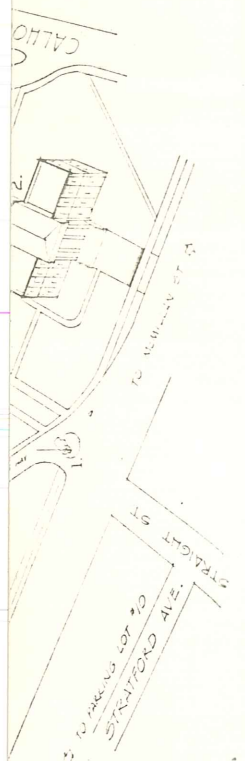


UNIVERSITY OF CINCINNATI BULLETIN

ANNOUNCEMENT OF

The Graduate School



- 29. Aero Laboratory
 - 30. Garage
 - 31. Carson Field
 - 32. Nippert Stadium
 - 33. Reed-Shank Payl
 - 34. Women's Gymnasium
 - 35. Memorial Residence
 - 36. Hall for Women
 - 37. Y.M.C.A. Building
 - 38. Practice Field
 - 39. Baseball Field
 - 40. Armory Fieldhouse
 - 41-42. Laurence Hall
 - 43-42. French & Dubney Residence Halls for Men
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- 15. Applied Science Lab.
 - 16. Health Service Building
 - 17. Old Tech. Building
 - 18. Tammey Council Lab.
 - 19. Union Building
 - 20. Swift Hall
 - 21. Baldwin Hall
 - 22. Chemistry Building
 - 23. Physics-Math. Building
 - 24. Wilson Memorial Hall
 - 25. College of Design, Architecture, & Art
 - 26. Shurtell Building
 - 27. Physics Bldg.
 - 28. Physics Bldg.
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- 1. Entrance Building
 - 2. Alphonso Taft Hall
 - 3. Library
 - 4. College of Education & Home Economics
 - 5. College of Pharmacy
 - 6. Amphitheater
 - 7. Hockey Field
 - 8. Tennis Courts
 - 9. Biology Building
 - 10. Beecher Hall
 - 11. Administration Bldg.
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1962-1963

PUBLISHED BY THE UNIVERSITY OF CINCINNATI
VAN WORMER ADMINISTRATION BUILDING
CINCINNATI 21, OHIO

GEOG. 917. SEMINAR: REGIONAL PATTERNS OF WORLD ENERGY RESOURCES. Regional analysis and evaluation of renewable and nonrenewable energy resources of the world. Intensive examination of regional planning projects for energy development. 3 gr. cr. First semester, Tu 3:00-6:00. Mr. _____ (14-041-917)

GEOG. 991. SEMINAR: AREA PLANNING THEORY. Intensive study of selected complex planning theories and theoretical models. 3 gr. cr. First semester, M 3:00-6:00. Mr. Nash. (14-041-991)

GEOG. 992. SEMINAR: URBAN RENEWAL. Critical analyses of specific urban renewal programs, with emphasis on site problems and their relationships to architectural treatment and engineering design. 3 gr. cr. Second semester, M 3:00-6:00. Mr. Nash. (14-041-992)

Courses Offered in the Summer of 1962

GEOG. 318. LAND UTILIZATION AND REGIONAL PLANNING. Mr. Wiester.

GEOG. 597, 598. SPECIAL PROBLEMS IN GEOGRAPHY AND REGIONAL PLANNING. Mr. Nash.

GEOG. 997, 998. RESEARCH. Mr. Nash.

GEOG. 361. THE GEOGRAPHY OF EASTERN AND SOUTHERN ASIA. Mr. Mathur.

For further information, see the Announcement of the Summer School.

GEOLOGY

Head of Department: Professor WILLIAM F. JENKS* (20 Old Tech); Professor CASTER (4-A Old Tech); Associate Professors LARSEN (B-1 Old Tech), SUNDERMAN (31 Old Tech); Assistant Professors DURRELL (35 Old Tech), R. G. SCHMIDT (35 Old Tech), KOUCKY (36 Old Tech).

This Department offers work leading to the degrees of Master of Science and Doctor of Philosophy.

A student admitted to graduate work in geology is expected to have satisfactorily passed one-year courses in physics and chemistry and an approved course in calculus or statistics. Biology is recommended as preparation for graduate work chiefly in paleontology. A summer field course in geology or its equivalent, such as a summer at a marine biological station for paleontology majors, is required before admission or early in the graduate program.

*Absent on leave, September 1, 1962-June 30, 1965.

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Interviews and early exploratory conferences are required in order to determine the student's prior training and aptitude for advanced studies and independent research.

The Geological Museum, in the same building, provides extensive research collections particularly with respect to the Paleozoic faunas of the Cincinnati region. The combined library of geology and geography contains more than 15,000 volumes.

For Advanced Undergraduate and Graduate Students

*GEOL. 301, 302. MINERALOGY. Crystallography, crystal chemistry, atomic structures, geochemistry, and systematics. 3 gr. cr. each semester. T Th 11:00; F 1:00-4:00. Mr. Koucky. (15-040-301, 302)

*GEOL. 321, 322. HISTORICAL GEOLOGY. T Th 8:00; Tu 2:00-5:00; S 9:00-12:00. 4 gr. cr. each semester. Mr. Caster. (15-040-321, 322)

GEOL. 330. ADVANCED GEOLOGY FIELD TRIP. A two weeks' field excursion between spring examinations and Summer School; conferences and report in fall semester. 3 gr. cr. Mr. Caster. (15-040-330)

*GEOL. 369. COMMON ROCKS. Hand specimen lithology and the genesis and alteration of rocks. 3 gr. cr. First semester, M W 9:00; Th 2:00-5:00. Mr. Sunderman. (15-040-369)

GEOL. 425, 426. INVERTEBRATE PALEONTOLOGY. 3 gr. cr. each semester. Lecture, T Th 9:30; laboratory, W 1:00-4:00. Mr. Caster. (15-040-425, 426)

GEOL. 445. PHYSIOGRAPHY OF EASTERN UNITED STATES. 3 gr. cr. Second semester, M W 10:00; F 1:00-4:00. Mr. Durrell. (15-040-445).

GEOL. 470. BASIC SEDIMENTOLOGY. 3 gr. cr. First semester, M W F 11:00 and 2 additional hours. Mr. Schmidt. (15-040-470)

GEOL. 472. PRINCIPLES OF STRATIGRAPHY. 3 gr. cr. Second semester, M W F 11:00 and 2 additional hours. Mr. Schmidt. (15-040-472)

GEOL. 480. INTERPRETATION OF AERIAL PHOTOGRAPHS. The geologic and geographic interpretation of aerial photographs and their use in field mapping. 3 gr. cr. Second semester, T Th 11:00; F 1:00-4:00. Mr. Durrell. (15-040-480)

GEOL. 503, 504. SEMINAR. Required of all graduate students in geology. No gr. cr. M 4:00. Staff. (15-040-503, 504) Fee at the rate of 1 gr. cr.

*Open to graduate students from other departments with permission of the instructor and Advisory Department. No graduate credit for students in geology.

- GEOL. 511. PETROLOGY: IGNEOUS ROCKS. 4 gr. cr. First semester, T Th 11:00; M F 1:00-4:00. Mr. Larsen. (15-040-511)
- GEOL. 512. PETROLOGY: METAMORPHIC AND SEDIMENTARY ROCKS. 4 gr. cr. Second semester, T Th 11:00; M F 1:00-4:00. Mr. Larsen. (15-040-512)
- GEOL. 564. GEOLOGY OF ORE DEPOSITS. 3 gr. cr. Second semester, T Th 11:00; W 1:00-4:00. Mr. ————. (15-040-564)
- GEOL. 574. THE POLARIZING MICROSCOPE. Crystal optics; use of the polarizing microscope for recognition of transparent substances in immersion media. 4 gr. cr. Second semester, M W 9:00; T Th 2:00-5:00. Mr. Sunderman. (15-040-574)
- GEOL. 589. STRUCTURAL GEOLOGY. 3 gr. cr. Second semester, M W 8:00; F 8:00-11:00. Mr. ————. (15-040-589)

Primarily for Graduate Students

- GEOL. 871, 872. SPECIAL PROBLEMS. Advanced study and research not directly related to thesis. By adviser's permission. Credit to be arranged. Staff. (14-040-871, 872)
- GEOL. 909, 910. ADVANCED MINERALOGY. Crystal morphology, X-ray and crystal structure theory, use of contact and optical goniometers, powder and single crystal X-ray diffraction work. 3 gr. cr. each semester. T Th 9:30 plus laboratory hours to be arranged. Mr. Koucky. (14-040-909, 910)
- GEOL. 913, 914. SEMINAR IN GEOCHEMISTRY, MINERALOGY, AND PETROLOGY. Special topics such as crystal growth, imperfections, mineral phase equilibria; review of current literature. 2 gr. cr. each semester. Hours to be assigned. Messrs. Larsen, Koucky. (14-040-913, 914)
- GEOL. 921, 922. SEMINAR IN STRATIGRAPHIC GEOLOGY. 3 gr. cr. each semester. M W F 3:00. Mr. Schmidt. (14-040-921, 922)
- GEOL. 925, 926. SEMINAR IN MEGASCOPIC PALEONTOLOGY. Reading knowledge of German and French desirable. By the instructor's permission. 3 gr. cr. each semester. M W F 9:00. Mr. Caster. (14-040-925, 926)
- GEOL. 951. ADVANCED PETROLOGY: IGNEOUS ROCKS. 4 gr. cr. First semester, M W 10:00; W 1:00-4:00; F 8:00-11:00. Mr. Larsen. (14-040-951)
- GEOL. 952. ADVANCED PETROLOGY: METAMORPHIC AND SEDIMENTARY ROCKS. 4 gr. cr. Second semester, M W 10:00; W 1:00-4:00; F 8:00-11:00. Mr. Larsen. (14-040-952)

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GEOL. 973. SUMM
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GEOL. 973, 974.

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GERM

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GEOL. 954. UNIVERSAL STAGE STUDIES. Double variation and thin section techniques. 2 gr. cr. Second semester. Hours to be arranged. Mr. Sunderman. (14-040-954)

GEOL. 971, 972. RESEARCH. By adviser's permission. Credit to be arranged. Staff. (14-040-971, 972)

GEOL. 973. SUMMER (FIELD OR LABORATORY) RESEARCH. Credit to be arranged. Staff. (14-040-973).

Courses Omitted in 1962-63

444, Physiography of Western United States; 448, World Physiography; 449, Principles of Geomorphology; 481, Glacial Geology; 563, Principles of Economic Geology; 924, Micro-paleontology; 958, Seminar in Megatectonics; 960, Groundwater; 965-4, Advanced Sedimentology.

Course Offered in the Summer of 1962

GEOL. 973, 974. RESEARCH IN GEOLOGY. Staff.

For further information, see the Announcement of the Summer School.

GERMANIC AND SLAVIC LANGUAGES
AND LITERATURES

Head of Department: Professor GEORGE C. SCHOOLFIELD (228 McMicken); Professor MERKEL* (229 McMicken); Associate Professor PAULS (639 Pharmacy); Assistant Professors SLESSAREV (231 McMicken), SYRING (230 McMicken); Instructor MALYCKY (251 McMicken).

This Department offers work leading to the degrees of Master of Arts and Doctor of Philosophy in Germanic languages and literatures. At present, no graduate work is offered leading to a degree in Slavic studies.

Students electing work in this Department should have completed an undergraduate major in German or its equivalent. All candidates for any graduate degree are required to take Germanic Languages 901, Methods and Bibliography; all candidates for the doctorate are required to take Germanic Languages 919-920, Middle High German, and 401-402, Elementary and Intermediate Swedish. Successful completion of the latter course will satisfy the Department's requirement for a reading knowledge of a second Germanic language, and, simultaneously, The Graduate School's requirement of a second language for the doctorate. (See page 25.)

*Absent on leave, September 1, 1962-June 30, 1963.

UNIVERSITY OF CINCINNATI BULLETIN

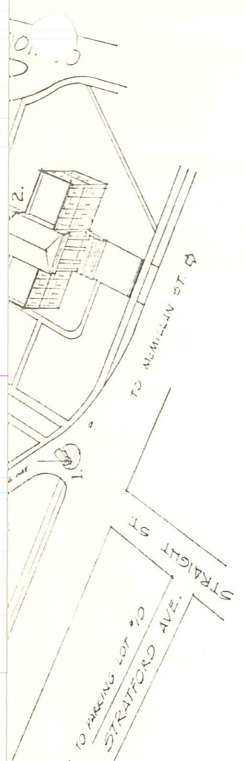
ANNOUNCEMENT OF THE

McMicken College of Arts and Sciences



1962-1963

PUBLISHED BY THE UNIVERSITY OF CINCINNATI
VAN WORMER ADMINISTRATION BUILDING
CINCINNATI 21, OHIO



- 1. Entrance Building
- 2. Alphonso Taft Hall
- 3. Almonary
- 4. College of Education & Home Economics
- 5. College of Pharmacy
- 6. Amphitheater
- 7. Hockey Field
- 8. Tennis Courts
- 9. Biology Building
- 10. Beecher Hall
- 11. Administration Bldg.
- 12. Cunningham Hall
- 13. McMicken Hall
- 14. Hanna Hall
- 15. Applied Science Lab.
- 16. Health Science Building
- 17. Old Tech Building
- 18. Farmers' Council Lab.
- 19. Unions Building
- 20. Swift Hall
- 21. Baldwin Hall
- 22. Chemistry Building
- 23. Physics Math. Building
- 24. Wilson Memorial Hall
- 25. College of Design, Architecture, & Art
- 26. Simral Hall
- 27. Service Building
- 28. Power Plant
- 29. Aero Laboratory
- 30. Garage
- 31. Cursons Field
- 32. Nippert St.
- 33. Reed Shops
- 34. Wilson's Gymnasium
- 35. Memorial Residence Hall for Women
- 36. Y.M.C.A. Building
- 37. Practice Field
- 38. Baseball Field
- 39. Armory Fieldhouse
- 40. Laurence Hall
- 41-42. French & Dalney Residence Halls for Men

491. (1st sem.) AREA PLANNING THEORY. Introduction to area planning and the principles and methods of regional science. A critical examination of planning theories and of the methodology and logic of the process of city and regional planning. MWF 10:00. Mr. Nash.

492. (2nd sem.) CITY AND REGIONAL PLANNING PROBLEMS. Intensive case studies of selected planning problems, ranging from local urban renewal projects to regional problems of underdeveloped areas in foreign countries. MWF 10:00. Mr. Nash.

495. (1st sem.) SEMINAR: POPULATION PROBLEMS IN THE UNITED STATES. Intensive examination of selected areas for detailed geographical analysis. Credit variable. Hours to be arranged. Mr. Wolf.

496. (2nd sem.) SEMINAR: POPULATION PROBLEMS IN DEVELOPING COUNTRIES. Detailed studies of selected areas. Credit variable. Hours to be arranged. Mr. Wolf.

497-8. PROBLEMS IN GEOGRAPHY. Credit variable. Hours to be arranged. Messrs. Nash, Coulter.

597-8. RESEARCH IN GEOGRAPHY. Credit variable. Hours to be arranged. Messrs. Nash, Coulter.

DURRELL* (35 OLD TECH),
GEOLOGY
15-040

Professors JENKS* (Head of Department, 20 Old Tech), CASTER (4-A Old Tech); Associate Professors, LARSEN (B-1 Old Tech), SUNDERMAN (31 Old Tech); Assistant Professors, DURRELL (35 Old Tech), SCHMIDT (33 Old Tech), KOUCKY (36 Old Tech), HOFFMANN (33 OLD TECH)

The student may choose a concentration leading to the B.A. or B.S. in geology.

Geology 101-2 and 111-2 taken together are preliminary to all advanced courses in geology except 301-2 and 425-6. Students who have completed Geol. 103-4 and wish to major in geology must take 111 and 112.

To qualify for the B.A. degree in geology a student shall have completed Geol. 301-2, 217, (218, 219), 321-2, 501, 503-4, and 6 additional credits in geology, plus at least 18 credits in at least three of the following disciplines: chemistry, physics, zoology, botany, and mathematics.

* Absent on leave, September 1, 1962-June 30, 1963.

ABSENT ON LEAVE, MARCH 30 - JUNE 13, 1964

To qualify shall include 501, 503-4 to 10 credits of geology geology in French, or

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To qualify for the B.S. degree with a major in geology a student shall include in his program Geol. 301-2, 217 (218, 219), 321-2, 501, 503-4; Chem. 101-2, 111-2, 6 to 9 credits of calculus and 6 to 10 credits of physics or zoology. In addition to the basic core of geology courses listed above, 12 credits in advanced courses in geology must be elected. A reading knowledge of German, French, or Russian is required prior to the senior year.

Both the B.A. and the B.S. majors may lead to graduate work in geology, usually considered essential for a professional career. A properly planned program may lead to the M.S. degree one year after obtaining the B.S. Typical programs may be obtained from the adviser.

For all B.S. candidates and all students planning geology as a profession, a six to eight weeks' summer field course or its equivalent is required. Alternative acceptable field training may be obtained by summer work at a marine biological station or with one of the geological surveys, or by summer field employment by a mining or oil company, with the approval of the adviser.

Each autumn all students majoring in geology are expected to attend a four-day field trip and should anticipate the cost of the trip, about \$35.

101-2³ INTRODUCTION TO GEOLOGY. Geol. 101-2³ and 111-2³ form ^{FIFTEEN} two parts of a single ten-credit course which satisfies the science requirement. Geol. 101-2 may be taken alone only with the instructor's permission. MWF 8:00. Mr. Durrell.

111-2. INTRODUCTION TO GEOLOGY LABORATORY. A laboratory course to accompany Geol. 101-2³ MW 1:00-4:00; TTh 2:00-5:00. 2 cr. each sem. Mr. Durrell and assistants.

103-4⁴ GENERAL GEOLOGY. An elementary ^{QUARTER} cultural course in physical and historical geology for ^{MAJOR IN} general students and teachers not expecting to do further work in earth sciences. Designed to fulfill the science requirement of the McMicken College of Arts and Sciences when taken with an elementary course in another science. Lecture, TTh 8:00; laboratory, Sec. I, M 1:00-4:00; Sec. II, W 1:00-4:00; Sec. III, F 1:00-4:00. Mr. Sunderman.

~~271~~ ²⁷¹ BETWEEN SPRING EXAMINATIONS AND SUMMER SCHOOL 1964, GEOLOGIC DEMONSTRATION TRIP. A two weeks' field excursion in May and June 1963, through Michigan and Wisconsin, or VIRGINIA. One-hour conference weekly during the first half of the following semester and a report to be submitted at the end of the semester. (Alternates with Geol. 218 and 219; each number designates a different route.) (Conferences, M 10:00. Mr. Koucky.

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15, 1964

- 301-2. MINERALOGY. Crystallography, crystal chemistry, atomic structures, geochemistry, and systematics of the common minerals. Prerequisite: High-school or college chemistry. TTh 1:00; F 1:00-4:00. Mr. Koucky.
- 321-2. HISTORICAL GEOLOGY. The physical and biological history of the earth with particular emphasis on North America. TTh 8:00; Tu 2:00-5:00; S 9:00-12:00 4 cr. each sem. Mr. Caster.
330. ADVANCED GEOLOGY FIELD TRIP. A two weeks' field excursion between spring examinations and Summer School. Historical and regional geology. Conferences and report in fall semester. Prerequisite: Permission of instructor. Mr. Caster.
369. (1st sem.) COMMON ROCKS. Hand specimen lithology and the genesis and alteration of rocks. Prerequisite: Geol. 301-2 or equivalent. MW 9:00; Th 2:00-5:00. Mr. Sunderman.
- 425-6. INVERTEBRATE PALEONTOLOGY. Paleobiology of common invertebrate fossils. Prerequisite: Geol. 101-2, 111-2 or equivalent, or a course in biology, zoology, or botany. TTh 9:30; W 1:00-4:00. Mr. Caster.
443. (2nd sem.) PHYSIOGRAPHY OF EASTERN UNITED STATES. MW 10:00; F 1:00-4:00. Mr. Durrell.
470. (1st sem.) BASIC SEDIMENTOLOGY. Principles governing the origin, transportation, deposition, and subsequent alteration of sediments. Prerequisites: Geol. 301-2 and 469 or equivalents. MWF 11:00 and 2 additional hours. Mr. Schmidt.
472. (2nd sem.) PRINCIPLES OF STRATIGRAPHY. Stratigraphic and biostratigraphic principles and methods. Prerequisite: Geol. 470 or equivalent. MWF 11:00 and 2 additional hours. Mr. Schmidt.
480. (2nd sem.) INTERPRETATION OF AERIAL PHOTOGRAPHS. The geologic and geographic interpretation of aerial photographs and their use in mapping. Lecture and laboratory. Prerequisite: Geol. 301-2 or equivalent. TTh 11:00; F 1:00-4:00. Mr. Durrell.
501. (1st sem.) READINGS FOR SENIORS. Required of all seniors majoring in geology. Not open to other students. 2 cr. Staff.
- 503-4. GEOLOGY SEMINAR. Required of all juniors and seniors majoring in geology. No additional credit. M 4:00.
511. (1st sem.) PETROLOGY: IGNEOUS ROCKS. Prerequisite: Geol. 301-2 or equivalent. TTh 11:00; MF 1:00-4:00. 4 cr. Mr. Larsen.

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253-4. COMPAR
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*Absent on leave.

512. (2nd sem.) PETROLOGY: METAMORPHIC AND SEDIMENTARY ROCKS. Prerequisite: Geol. 301-2 or equivalent. TTh 11:00; MF 1:00-4:00. 4 cr. Mr. Larsen.
564. (2nd sem.) GEOLOGY OF ORE DEPOSITS. TTh 11:00; W 1:00-4:00. Mr. _____.
- 571-2. INDIVIDUAL WORK IN GEOLOGY. Credit depends on amount of work done. May be entered either semester. Staff.
574. (2nd sem.) THE POLARIZING MICROSCOPE. Crystal optics; use of the polarizing microscope for recognition of transparent substances in immersion media. Prerequisite: Geol. 301-2 or permission of the instructor. MW 9:00; TTh 2:00-5:00. 4 cr. Mr. Sunderman.
589. (2nd sem.) STRUCTURAL GEOLOGY. Prerequisites: Geol. 301-2 and 321-2 or equivalents. MW 8:00; F 8:00-11:00. Mr. _____.

Omitted during 1962-63: 215, Economic Mineral Deposits; 444, Physiography of Western United States; 448, World Physiography; 449, Principles of Geomorphology; 481, Glacial Geology; 563, Principles of Economic Geology; 566, Petroleum Geology.

GERMANIC AND SLAVIC LANGUAGES AND LITERATURES

Professors SCHOOLFIELD (*Head of Department*, 228 McMicken), MERKEL* (229 McMicken); Associate Professor PAULS (639 Pharmacy); Assistant Professors SYRING (230 McMicken), H. SLESSAREV (231 McMicken); Instructors MALYCKY (231 McMicken), RUDOWSKI (229 McMicken).

German 001-2, 011-2, 101-2, and 113-4 will not count toward a major in German. German 121-2, 301-2, and 421-2 shall be offered as part of the requirement toward a major in German. Courses in Scandinavian studies may be offered as a part of the requirement toward a major in German.

All courses in German, except 501-2, may be entered in February with the instructor's permission.

253-4. COMPARATIVE LITERATURE. For description, see page 67. MWF 11:00. Mr. Barroll. (Code: 15-001)

*Absent on leave, September 1, 1962-June 30, 1963.