



**DALHOUSIE  
UNIVERSITY**

**1987-88**



**FACULTY OF DENTISTRY CALENDAR**



# Dalhousie University Faculty of Dentistry

Founded in 1818  
Halifax, Nova Scotia, Canada



# Notices

All readers and prospective students are advised that the matters dealt with in this Calendar are subject to continuing review and revision. This Calendar is printed some months before the year for which it is intended to provide guidance.

Any reference to courses or classes contained herein is a statement of courses or classes that have been taught at Dalhousie University in the past. Dalhousie University assumes no obligation to continue to teach such courses or classes and prospective students are asked to consult with the respective Faculty to determine any changes to a course or class description contained herein.

*Dalhousie University reserves the right to delete, revise or add to anything described in this Calendar without notice, other than through the regular processes of Dalhousie University, and every student accepted for registration in the University shall be deemed to have agreed to any such deletion, revision or addition whether made before or after said acceptance.*

*Dalhousie University does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses or classes caused by reason of strikes, lockouts, riots, weather, damage to university property or for any other cause beyond the reasonable control of Dalhousie University.*

The University reserves the right to limit enrollment in any program. Prospective students should note carefully the application deadlines indicated for the various programs. They should be aware that enrollment in most programs is limited and that students who are admitted to programs at Dalhousie are normally required to pay deposits on tuition fees to confirm their acceptance of offers of admission. These deposits may be either non-refundable or refundable in part, depending on the program in question. While the University will make every reasonable effort to offer classes as required within programs, prospective students should note that admission to a degree or other program does not guarantee admission to any given class, except those specified as required, within that program. Students should select optional classes early in order to ensure that classes are taken at the most appropriate time within their schedule. In some fields of study, admission to upper level classes may require more than minimal standing in prerequisite classes.

Inquiries regarding Academic Matters should be directed to:

The Registrar  
Dalhousie University  
Halifax, Nova Scotia  
Canada  
B3H 4H6  
902-424-7068

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# Table of Contents

<b>Almanac</b> .....	4
<b>Admission Application Dates</b> .....	5
<b>The Campus Map</b> .....	6
<b>Dalhousie University</b> .....	7
<b>Special Institutes</b> .....	9
<b>General Information</b> .....	11
<b>University Regulations</b> .....	15
<b>Fees</b> .....	17
<b>Faculty of Dentistry</b> .....	23
<b>Classes of Instruction</b> .....	27
Anatomy .....	27
Biochemistry .....	27
Microbiology .....	27
Pathology .....	27
Pharmacology .....	27
Physiology and Biophysics .....	27
Oral Biology .....	28
Oral Diagnosis and Oral Surgery .....	28
Restorative Dentistry .....	29
Pediatric and Community Dentistry .....	30
Graduate Studies in Oral and Maxillofacial Surgery .....	32
Post-Graduate Studies in Periodontics .....	32
<b>School of Dental Hygiene</b> .....	34
Academic Program .....	35
<b>Faculty Scholarships, Bursaries and Prizes</b> .....	37
<b>Academic Staff</b> .....	40
<b>Board of Governors</b> .....	43

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# Almanac 1987-88

Most classes offered at Dalhousie have one of the letters "A," "B," "C" or "R" following the number. "A" classes are those given in the fall term or in the first three weeks of a summer session, "B" classes are those given in the winter term or the second three weeks of a summer session, and "R" and "C" classes are given throughout the regular year or a summer session ("R" classes carry one full credit or more, "C" classes less than one full credit).

## May, 1987

Friday, 8: End of year, 4th year Dentistry.

Monday, 18: Victoria Day.

Friday, 22: Senate meeting to consider candidates for the award of degrees in Dentistry.

Monday, 25: Examinations begin Dentistry (first and second years).

Wednesday, 27: University Convocation (Dentistry, Dental Hygiene and Graduate Studies).

## July

Wednesday, 1: Canada Day.

Wednesday, 15: Last day to apply for supplemental examinations in Dentistry and Dental Hygiene.

## August

Monday, 3: Halifax Natal Day and Dartmouth Natal Day — no classes.

Monday, 10: Supplemental examinations begin in Dentistry and Dental Hygiene.

## September

Tuesday, 1: Orientation week begins Dentistry and Dental Hygiene.

Monday, 7: Labour Day.

Tuesday, 8: Registration ends and classes begin in Dentistry and Dental Hygiene.

## October

Monday, 12: Thanksgiving Day.

## November

Wednesday, 11: Remembrance Day, no classes.

## December

Tuesday, 1: Last day for receipt of applications for Dentistry.

Monday, 7: Examinations begin, Dentistry (first, second and third years), Dental Hygiene (first and second years).

Monday, 21: Student holidays begin.

Friday, 25: Christmas Day.

Saturday, 26: Boxing Day.

## January 1988

Friday, 1: New Year's Day.

Monday, 4: Classes resume, Dentistry and Dental Hygiene.

## February

Monday, 1: Last day for receipt of applications to Dental Hygiene.

Friday, 5: Munro Day, no classes.

Saturday, 6: Winter Carnival, no classes.

Monday, 22: Study break begins.

Monday, 29: Classes resume.

## April

Friday, 11: Good Friday.

Monday, 18: Examinations begin, Dentistry (third and fourth years) and Dental Hygiene (first and second years).

Monday, 25: Third term for Dentistry (third and fourth years) and Dental Hygiene (first year) begins.

## May

Friday, 6: End of year, Dentistry (fourth year).

Friday, 20: Senate meeting to consider candidates for the award of degrees in Dentistry

Monday, 23: Victoria Day.

Tuesday, 24: Examinations begin, Dentistry (first and second years).

Wednesday, 25: University Convocation (Dentistry, Dental Hygiene and Graduate Studies).

Friday, 27: End of third term Dentistry third year; Dental Hygiene (first year).

# Final Dates for Receipt of Applications for Admission

## Arts and Science

Students entering from Canada or US .....	August 1
Foreign Students (except USA) .....	May 1
Transfer Students .....	July 1
BEd Program .....	May 30

## Health Professions

Recreation, Physical and Health Education & Kinesiology .....	July 15
BSc (Nursing) .....	March 1
BSc (Nursing) for Post RN <sup>1</sup> (Full-time) .....	June 1
(Part-time) .....	August 1
Outpost and Community Health Nursing <sup>2</sup> .....	April 15
Occupational Therapy .....	March 1
Physiotherapy .....	January 28
Pharmacy .....	March 1
Social Work .....	March 1

## Management Studies

Students entering from Canada or US .....	August 1
Transfer Students .....	July 1
Non-American Foreign Students .....	May 1

**Dentistry** ..... December 1

**Dental Hygiene** ..... February 1

## Medicine

MD .....	December 15
Post-Graduate .....	December 1

**Law**<sup>3</sup> ..... February 27

**Graduate Studies (except as below)** ..... August 1

Non-Canadian Students .....	May 30
Human Communication Disorders .....	February 27
Law .....	April 15
Library Service <sup>4</sup> .....	April 15
Nursing and Health Services Administration .....	May 30
Oral Surgery <sup>5</sup> .....	June 30
Social Work .....	January 30

## Winter Term

BA<sup>6</sup>BSc (part-time and transfer students) <sup>6</sup>and BCom programs only ..... November 16

Early registration and registration by mail is possible for most students, and is advised.

<sup>1</sup> Subject to change depending on numbers applying

<sup>2</sup> Application date for class entering in January is October 1

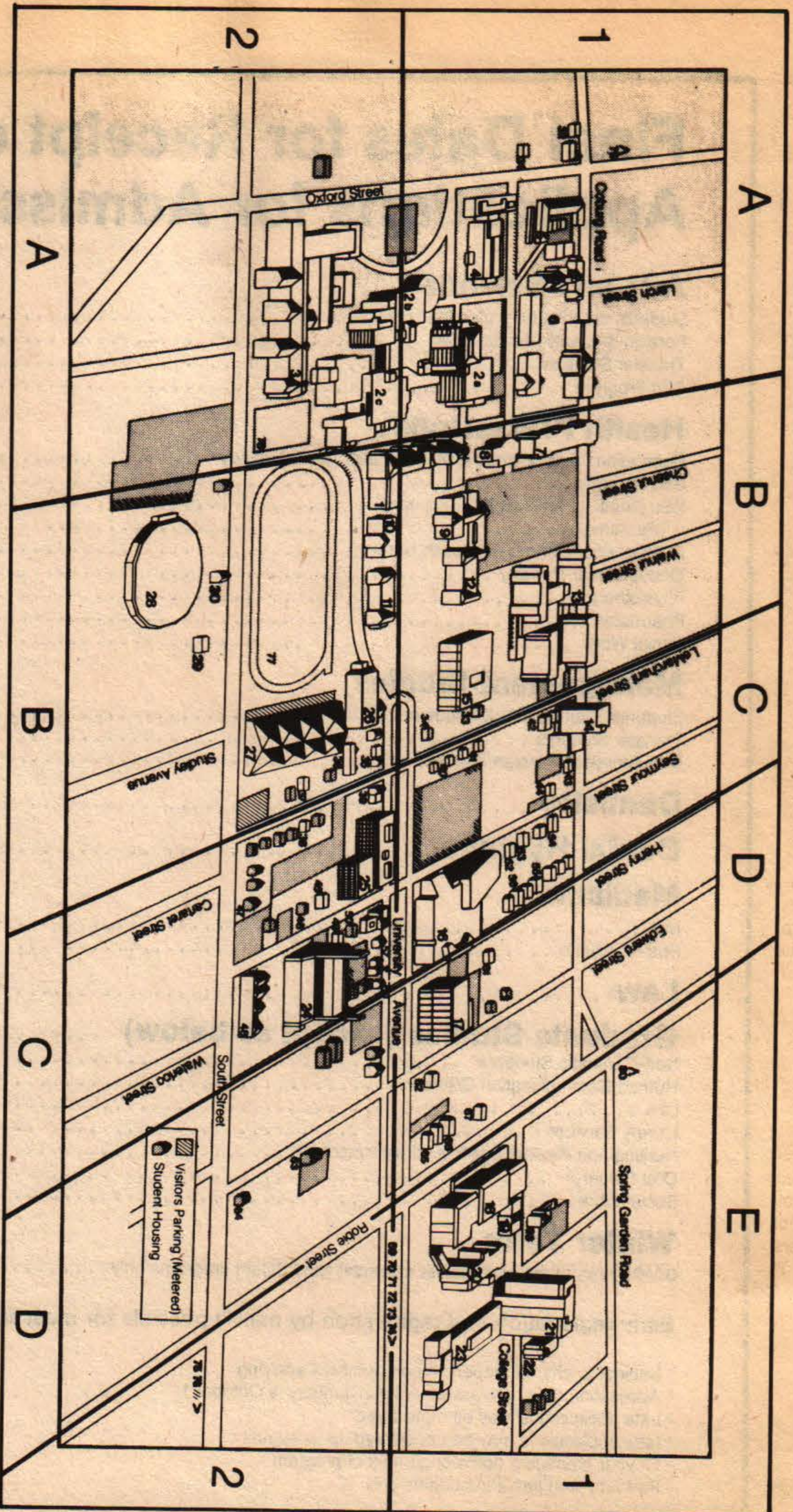
<sup>3</sup> Late applications may be considered

<sup>4</sup> Late applications may be considered up to August 1

<sup>5</sup> Of year preceding commencement of program

<sup>6</sup> Part-time and transfer students only

# The Campus Map



Admissions - 1 (B1, B2)  
 Alumni Office - 30 (B2)  
 Arts and Administration Building - 1  
 (B1, B2)  
 Arts Centre - 16 (C1)  
 Biology - 2a (A1)  
 Bookstore - 25 (C2)  
 Burridge Building - 19 (E1)  
 Business Administration, School of -  
 14 (C1)  
 Central Services Building - 24 (C2)  
 Chemistry - 9, 12 (B1)  
 Classics - 36 (C2)  
 Comparative Religion - 7 (B1)  
 Computer Centre - 15 (B1)  
 Counselling and Psychological Services -  
 25 (C2)  
 Dalplex - 28 (B2)  
 Day Care - 5 (A1)  
 Dentistry and Dental Hygiene - 18 (E1)

Development Office - 43 (C1)  
 Dunn Building - 7 (B1)  
 Economics - 35 (B2)  
 Education - 11 (B2)  
 Engineering - 7 (B1)  
 English - 53, 55 (C1)  
 Forrest Building - 20 (E1)  
 French - 40 (C1)  
 Geology - 2b (A2)  
 German - 41 (C1)  
 Graduate House - 39 (C2)  
 Henson College - 51 (C2)  
 History - 54 (C1)  
 Howe Hall - 13 (B1)  
 Institute of Public Affairs (IPA) - 51 (C2)  
 Killam Library - 15 (B1)  
 King's College - 6 (A1)  
 Law Building - 17 (D1)  
 Life Sciences Centre - 2a,b,c (A1, A2)  
 Macdonald Science Library - 9 (B1)

Mathematics, Statistics and Computing  
 Science - 8 (B1)  
 Medicine - 21 (E1)  
 Nursing, School of - 20 (E1)  
 Occupational Therapy, School of -  
 20 (E1)  
 Oceanography - 2b (A2)  
 Old Public Archives Building - 8 (B1)  
 Part-time Studies & Extension - 57 (C2)  
 Pharmacy, College of - 19 (E1)  
 Philosophy - 56 (C1)  
 Physics - 7 (B1)  
 Physiotherapy, School of - 20 (E1)  
 Political Science - 1 (B1, B2)  
 Psychology - 2c (A2)  
 Public Administration, School of - 15 (B1)  
 Public Relations - 15 (B1)  
 Recreation, Health & Phys. Ed., School of  
 - 29 (B2)  
 Resource & Environmental Studies - 65 (D2)

Rink - 27 (B2)  
 Russian - 33 (B1)  
 Security and Traffic - 24 (C2)  
 Shirreff Hall - 3 (A2)  
 Sociology and Social Anthropology -  
 48 (C2)  
 Spanish - 33 (B1)  
 Student Union Building - 25 (C2)  
 Studley Gymnasium - 26 (B2)  
 Theatre - 16 (C1)  
 Tupper Building - 21 (E1)

For more specific locations of offices  
 and departments, consult: The university  
 switchboard, 424-2211, or the Halifax-  
 Dartmouth telephone directory, or the  
 Dalhousie telephone directory.



# Dalhousie University

Dalhousie University is a non-denominational co-educational university. Founded in 1818, the University is a member of the Association of Universities and Colleges of Canada, the Atlantic Association of Universities, and the Association of Commonwealth Universities.

Dalhousie's enrolment stands at over 10,000 students. To accommodate them, in a wide variety of undergraduate, professional, and graduate programs, Dalhousie occupies more than 60 acres in a residential area of Halifax. University facilities include buildings for teaching and research, libraries, residential housing for students, a Student Union Building, an Arts Centre for music, theatre, and an art gallery and facilities for physical recreation. The Nova Scotia Archives building, the Atlantic Regional Laboratory of the National Research Council, major provincial hospitals, and the Dr. D.J. MacKenzie Laboratories are located close to the University. Dalhousie benefits from a variety of arrangements for teaching and research collaboration with hospitals and federal and provincial research laboratories.

The University of King's College, situated adjacent to Dalhousie campus, is an affiliated institution, and its students in Arts and Science receive Dalhousie degrees in the name of both institutions. By agreement with Mount Saint Vincent University students have access to various courses and services, and by agreement with the Technical University of Nova Scotia there are co-operative arrangements for engineering, engineering-physics, and computer science studies. By arrangement with the Nova Scotia Teachers College, graduates of that institution may complete education degree requirements at Dalhousie. Co-operation in a number of academic programs, in administrative services, and in use of library resources is provided for in working arrangements with Saint Mary's University and other institutions in Halifax.

Degrees in agriculture, awarded to students of the Nova Scotia Agricultural College, are awarded by Dalhousie in cooperation with the College.

Under the University's statutes, the Board of Governors is responsible for the operation of the University. The Board consists of representatives named by the Government of Nova Scotia, the alumni, the Student Union and certain other bodies. Internal regulation of the University is the primary concern of the Senate, subject to approval of the Board of Governors. The Senate consists of the President, Vice-Presidents, Deans of faculties and academic department heads, Registrar, full professors, other members of the academic staff elected from and by each faculty, six students elected by students, and certain other persons.

The President and Vice-Chancellor is the Chief Executive Officer of the University, responsible to the Board of Governors and Senate for supervision of the University's administrative and academic work.

Subject to the general approval of the Senate, seven faculties are responsible for supervision of programs of study, of teaching and research, and for the recommendation of candidates for degrees, diplomas, and university prizes.

## Faculties

Faculty of Arts and Science (the humanities, the physical, life and social sciences, some performing arts, education, introductory years in engineering);

Faculty of Health Professions (nursing, occupational therapy, pharmacy, recreation, physical and health education, physiotherapy, human communication disorders, social work and health services administration);

Faculty of Management Studies (commerce and business administration, public administration, library service);

Faculty of Medicine (basic medical sciences, medicine, medical internship and clinical specializations, continuing medical education);

Faculty of Law (law);

Faculty of Dentistry (dentistry, dental hygiene, and continuing dental education);

Faculty of Graduate Studies (advanced study in the humanities, the physical, life, social, and medical sciences, and a number of professions).

Henson College of Public Affairs and Continuing Education is responsible for coordinating continuing education programs both for degree credit and part-time studies, including the Summer School, and for community education activities.

## Schools and Colleges

Business Administration  
Dental Hygiene  
Health Services Administration  
Human Communication Disorders  
Library Service  
Maritime School of Social Work  
Nursing  
Occupational Therapy  
Pharmacy  
Physiotherapy  
Public Administration  
Recreation, Physical and Health Education  
Resource and Environmental Studies

## Institutes and Centres

Atlantic Institute of Biotechnology  
Applied Microelectronics Institute  
Atlantic Institute of Criminology  
Atlantic Region Magnetic Resonance Centre  
Atlantic Research Centre for Mental Retardation  
Centre for African Studies  
Centre for Foreign Policy Studies  
Centre for International Business Studies  
Centre for Marine Geology  
Centre for Regional and International Development Projects  
International Institute for Transportation and Ocean Policy Studies  
Lester B. Pearson Institute for International Development  
Trace Analysis Research Centre

## Academic Programs and Information Sources

In 1987-88 Dalhousie will offer the following academic programs. The normal years of full-time study are shown. Information about each may be found in the relevant University calendar.

### Faculty of Arts and Science

- Bachelor of Arts (Major 3 years, Honours 4 year)
- Bachelor of Science (Major 3 years, Honours 4 years)
- Diploma in Engineering (2 years)
- Bachelor of Education (Sequential) (1 year post BA, BSc)
- Bachelor of Education (Integrated) (4 years for BA or BSc with BEd, 5 years for BPE with BEd)
- Bachelor of Music (4 years)
- Bachelor of Music Education (4 years)
- Certificate in Costume Studies (2 years)
- Diploma in Costume Studies (3 years)
- Diploma in Meteorology (1 year)
- Certificate in Educational Administration (minimum 1 year)

### Faculty of Management Studies

- Bachelor of Commerce (Major and Honours 4 years)
- Certificate in Public Administration (1 year)

### Faculty of Health Professions

- Bachelor of Physical Education (4 years)
- Bachelor of Recreation (4 years)
- Bachelor of Science (Health Education) (4 years)
- Bachelor of Science (Kinesiology) (4 years)
- Bachelor of Science (Nursing) (4 years)
- Bachelor of Nursing (with previous RN) (3 years)
- Bachelor of Science in Pharmacy (4 years)
- Residency Program Pharmacy (1 year) (post BSc Pharm)
- Bachelor of Science (Physiotherapy) (3 years Physiotherapy following one year of Arts and Science or minimum 2 years post Diploma program)
- Bachelor of Science (Occupational Therapy) (3 years Occupational Therapy following one year of Arts and Science)
- Bachelor of Social Work (3 years Social Work study following one year general study, a wide choice permitted)

### Faculty of Dentistry

- Doctor of Dental Surgery (4 years)
- Postgraduate Certificate in Periodontics (2 years)
- Diploma in Dental Hygiene (2 years)

### Faculty of Law

- Bachelor of Law (3 years)
- Bachelor of Laws with Master of Business Administration (4 years)

### Faculty of Medicine

- Doctor of Medicine (4 years)
- Intern Year (1 year)
- Residencies (various programs ranging from 2-6 years post-intern)

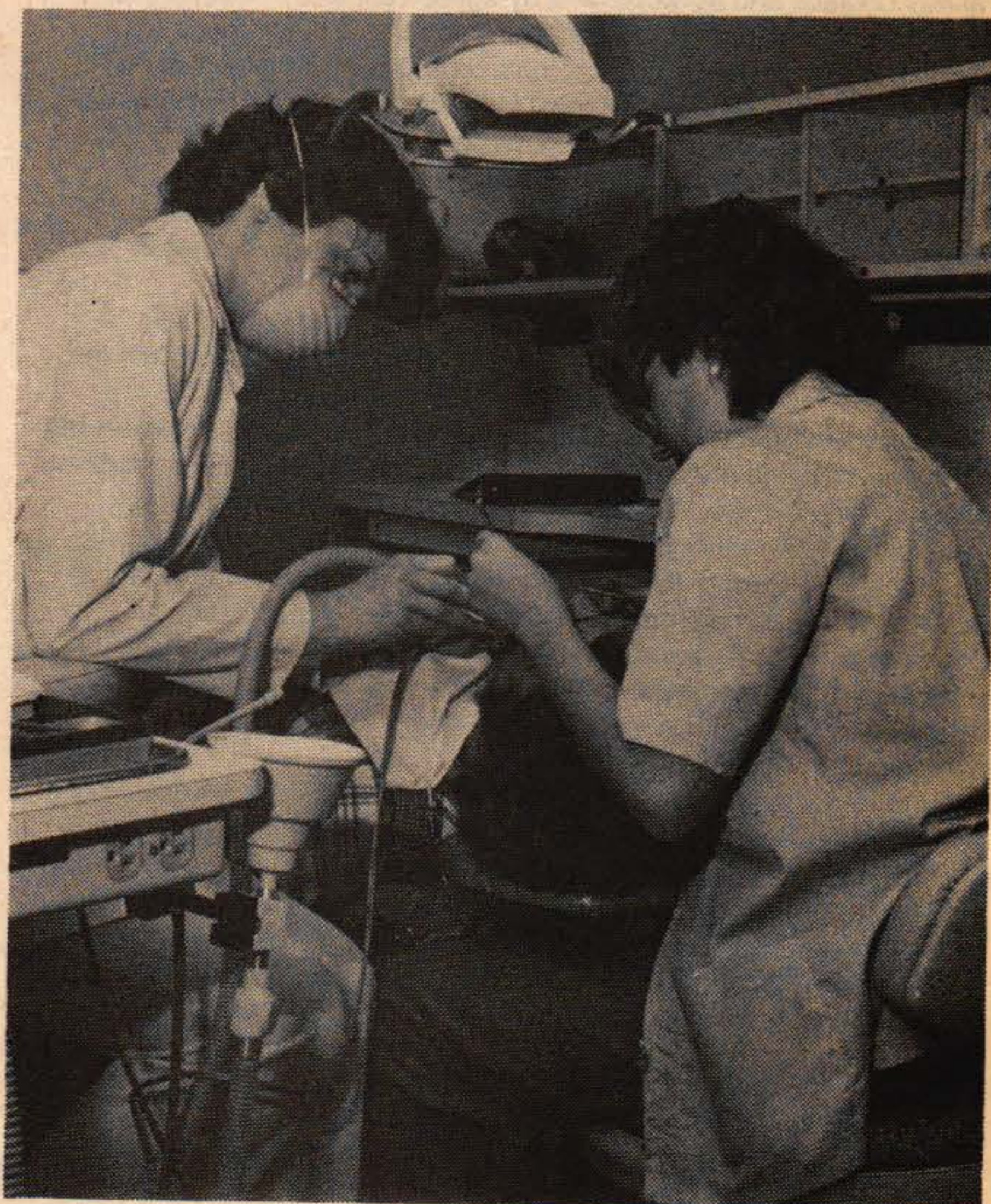
### Faculty of Graduate Studies

- Master of Arts (1 or 2 years, with thesis) in Classics, Economics, Education, English, French, German, History, Mathematics, Philosophy, Political Science, Psychology, and Sociology
- Master of Science (1 or 2 years with thesis) in Anatomy, Biochemistry, Biology, Chemistry, Computing Science, Geology, Health Education, Human Communication Disorders, (Audiology or Speech Pathology),

- Mathematics, Microbiology, Oceanography, Oral Surgery (4 years), Pathology, Pharmacology, Pharmacy, Physical Education, Physics, Physiology and Biophysics, Psychology
- Doctor of Philosophy (2 or 3 years, with thesis) in Anatomy, Biochemistry, Biology, Chemistry, Classics, Economics, Education, English, French, Geology, History, Interdisciplinary Studies, Mathematics, Microbiology, Oceanography, Pharmacology, Pharmacy, Philosophy, Physics, Physiology and Biophysics, Political Science, Psychology
- Doctor in the Science of Law (2 or 3 years, with thesis)
- Master of Arts in Teaching (French) (2 years)
- Master of Business Administration (2 years)
- Master of Business Administration with Bachelor of Laws (4 years)
- Master of Education (1 year)
- Master of Environmental Studies (1 or 2 years)
- Master of Health Services Administration (2 years)
- Master of Laws (1 year)
- Master of Library Service (2 years)
- Master of Public Administration (2 years)
- Master of Development Economics (2 years)
- Master of Nursing (2 years)
- Master of Social Work (1 or 2 years)
- Diploma in Aquaculture (1 year)
- Diploma in Public Administration (1 year)

## Honorary Degrees

The degree of Doctor of Laws may be conferred *honoris causa tantum* upon approval of the Senate in recognition of significant contributions to society.



# Special Institutes

A number of special institutes for study and research in specific fields are based at the University. Among these are:

## The Atlantic Institute of Criminology

Director: R. C. Kaill, BA, MDiv, MA, PhD

The Atlantic Institute of Criminology has been established to provide a criminological research and career-development facility in the Atlantic Region, equivalent to those existing in other regions of the country. Scholarships for graduate students in Criminology have already been announced for the current academic year. An interdisciplinary graduate program in criminology is also projected.

Policy for the Atlantic Institute of Criminology is the responsibility of an Advisory Board comprising twelve representatives from the academic and professional community of the region.

Associate memberships are available to interested and qualified persons. Workshops and training courses provide opportunities for professional development for employees of the Criminal Justice system in the Atlantic Region.

## The Atlantic Research Centre for Mental Retardation

Director: M.W. Spence, MD, PhD

Established in 1967, the Centre conducts basic biomedical research and population studies in the field of mental retardation. It also provides education in this field to undergraduate and graduate students and the general public. Special tests and consultative services for the prevention and treatment of diseases causing mental retardation are provided by the Centre. The Centre's professional staff hold appointments in various departments of the Faculty of Medicine. Its work is supported by grants from agencies such as the Medical Research Council of Canada, the Department of National Health and Welfare, the Scottish Rite Charitable Foundation of Canada, and the governments of the three Maritime provinces, and by private donations.

## The Atlantic Region Magnetic Resonance Centre

Director: D.L. Hooper, PhD

Established in 1982 with assistance from the Natural Sciences and Engineering Research Council, the Centre is concerned with teaching and research programs in magnetic resonance. The Centre has modern nuclear magnetic resonance (NMR) and electron spin resonance (ESR) instruments including a 360 MHz Narrow Bore Nicolet NMR instrument.

In addition to providing well-equipped laboratories and instrumentation for resident and visiting faculty, research scientists and students, the Centre provides NMR spectra and expertise to scientists of eleven universities and research institutes in the Atlantic Region.

## The Centre for Foreign Policy Studies

Director: R. Boardman, BSc, PhD

Established in 1971 with the assistance of a grant from the Donner Canadian Foundation, the Centre is concerned with teaching, research and other professional activities in various aspects of foreign policy and international politics. The work of the Centre is concentrated in the following areas: Canadian Foreign Policy, Maritime and Strategic Studies, and International Political Economy and Developmental Studies. Geographical specializations include African, Chinese, European and American foreign policy.

The Centre is affiliated with the Department of Political Science at Dalhousie University. Centre faculty offer courses in the Department on international relations, foreign and defence policy at both undergraduate and graduate levels. They also supervise masters and doctoral students in these fields.

## The Trace Analysis Research Centre

Director: D.E. Ryan, BSc, MA, PhD, DIC, DSc

With the assistance of a grant from the National Research Council, the Centre was established in 1971 to train analytical chemists and, through research, to contribute to the advancement of analytical chemistry. A major facility of the Centre is a low-power nuclear reactor (SLOWPOKE) which is available to researchers within Dalhousie and elsewhere.

## The Centre for African Studies

Director: T.M. Shaw, BA, MA, PhD

This Centre, established in 1975, coordinates a teaching and research program in African Studies. Its staff hold primary appointments in departments in the social sciences and the humanities. It organizes postgraduate/staff seminars on Africa and encourages interdisciplinary interaction at all levels on African subjects and issues.

## The Centre for International Business Studies

Director: A.M. Rugman, BA, MSc, PhD

The Centre was established in 1975 with the aid of a grant from the Department of Industry, Trade and Commerce. Its purposes include the provision of specialist training in international business studies and research in international business. It carries out these functions within the administrative framework of the School of Business Administration.

## Centre for Regional and International Development Projects

Director: D. Cherry, BComm, MBA, CMA

The Centre was established at Dalhousie University, in 1979, as an extension of work being undertaken by Dalhousie faculty in the broad field of economic development projects and studies. Although the Department of Economics nurtured its formation, the Centre has subsequently become interdisciplinary in character and is completely separate from the department.

The Centre for Development Projects strives to encourage and facilitate further involvement by Canadian faculty and students in significant international development projects, and to initiate and direct such projects in cooperation with institutions in the Third World.

Outside personnel with appropriate experience are encouraged to spend time with the Centre, as are Dalhousie faculty to take secondment with appropriate development agencies in Canada and overseas as well as participating in particular development projects.

The Centre primarily focuses on the implementation and management of international development programs and projects, and has been responsible for the direction of a number of training and applied research projects in Ghana, Zimbabwe, the Caribbean and India. An annual review is available which discusses the range of activities historically undertaken by the Centre.

## Lester Pearson Institute for International Development

Director: T.M. Shaw, BA, MA, PhD

The Pearson Institute is a new organization, funded by the Secretary of State, which aims to enhance Dalhousie's role in development studies, education and projects. Founded in mid-1985, this Institute is intended to promote Dalhousie's Third World activities in collaboration with established development centres and agencies. Major activities include public lectures and conferences, seminar series, applied and theoretical

research, publications, training programs and input into public policy on Canada's role in international development. The Institute advances international development degree and non-degree programs and hosts the University Chair in Development Studies.

### **The Atlantic Institute of Biotechnology**

Director: R. Bidwell, BSc, BA, MA, PhD

The Atlantic Institute of Biotechnology was established in 1985 with funding from the Department of Regional Industrial Expansion. Its purpose is to assist industry in Atlantic Canada to improve biologically-based processes, and to develop new manufacturing and industrial techniques.

The Institute's main areas of specialization are agricultural and forest technology, fermentation, aquaculture and microbial mining technology. In addition, work is undertaken for any industry on biological systems, including food production and processing, chemical production, biomass conversion, plant and animal nutritional systems and bio-pollution related problems.

### **Centre for Marine Geology**

Director: M. Salisbury, BSc, PhD

The Centre for Marine Geology was founded in 1983 to promote the

interdisciplinary study of the continental margins and the sea floor. The Centre draws on the faculty and resources of the Departments of Geology, Oceanography and Physics and others. The objectives of the Centre are: (1) to expand the university's leading role in international studies of the oceanic crust, (2) to participate with industry and government in the geological aspects of oil and gas development on Canada's east coast and (3) to continue research on sedimentation and the recent history of the Canadian offshore.

### **International Institute for Transportation and Ocean Policy Studies**

Director: J. Gratwick, BSc

The Institute is a not-for-profit organization, federally incorporated and situated on the Dalhousie campus. It provides a means of attracting external support for a variety of activities in the fields of ocean, maritime and transportation studies. It acts as a vehicle to bring Dalhousie faculty, and possible researchers together with persons from other organizations, in order to encourage cooperative participation in such activities.



# General Information

## Libraries

The Dalhousie University Library System is organized to accommodate the needs of the undergraduate teaching programs, graduate and faculty research projects, and professional schools. The system is made up of the following components: the University Library (Killam Library — Humanities, Social Science, and Mathematics; Macdonald Library — Sciences), the Sir James Dunn Law Library (temporarily located in the Killam Library), and the Kellogg Health Sciences Library.

As of April 1, 1986, the total Dalhousie University Library System holdings include over 1,549,000 volumes of books, bound periodicals, documents, and bound reports, 296,200 microfiche and microcards, and 120,000 data cards, maps, musical scores, and other media. 12,000 serials titles are currently received, and dead title holdings number over 6,000.

The University Library alone has a collection of over 646,000 volumes of books and bound serials, as well as a periodical collection of more than 6,100 current subscriptions, and a government documents collection of over 311,000 items. In addition to the traditional printed materials, the library is developing its resources in forms such as records and microforms.

## University Computing and Information Services

University Computing and Information Services (UCIS) is responsible for all centrally managed computing and communications facilities and services. These are available to faculty, staff and students for instructional, research and administrative purposes.

UCIS has four divisions. "Facilities and Operations," located in the basement of the Killam Library building, is responsible for operating and managing the central mainframe and minicomputers. "Communications Services," also located in the basement of the Killam, is responsible for voice (telephone) and data communications and related hardware services. "Academic Computing Services" provides consulting, education and documentation services for users of central and some departmental computers. It is also responsible for support and maintenance of applications software for academic users. It too is located in the basement of the Killam Library building. "Administrative Computing Services" is responsible for the selection, installation, development and maintenance of administrative computing systems, for providing advice and education to users of administrative systems, and for office systems support. Administrative Computing Services and the Office of the Director of UCIS are located in Rooms 21A to 21K in the Arts & Administration Building.

Currently, UCIS manages a Control Data Cyber 730 mainframe computer which is used primarily for academic purposes, an IBM 4381 computer for administrative systems, several Digital VAX minicomputers for Computing Science and the School of Business, and microcomputer laboratories in the Computer Centre (basement of the Killam) and the Engineering and Dentistry buildings. A wide range of computer languages and applications software is available and supported by UCIS on these systems.

## Microcomputer Information Centre

The Microcomputer Information Centre was opened in November 1984 to assist faculty, staff and students of Dalhousie University, St. Mary's University, Mount St. Vincent University and the Technical University of Nova Scotia in the use of microcomputer technology.

The objectives of the Centre are:

1. to provide current accurate information about microcomputers to our users using resources such as current periodicals, evaluation reports of hardware and software, sample books and software as well as equipment and software demonstrations.
2. to provide prepurchase advice to potential and current microcomputer users.
3. to assist in Interuniversity co-operation on microcomputer policy through different groups.

The Centre is currently located on the first floor of the Killam Library and is open from 8:30 to 4:30 weekdays. The phone number is 424-8893.

Purchase agreements have been made with several suppliers to give faculty, staff and students a discount on personal purchases as well as on University purchases. Eligible persons can obtain authorization forms at the centre.

Periodical and evaluation reports as well as sample hardware and software are available for use in the Centre.

## Student Services

Located in Room 124 of the Arts and Administration Building, this office provides a point of referral for any student concerns. The Dean coordinates the administration of Chaplaincy, Counselling and Psychological Services, University Health, the *Writing Workshop*, the Ombud Office, the International Student Centre, and is the International Student Adviser. Through the Council of Student Life, the Dean acts as liaison with the Deans of Residences and the Student Union. Active participation exists among the various divisions and the officials of Housing, Recreation, and the Federal Employment Office located on campus.

The Dean can assist students with any University related concern and can offer direction in class or program selection to ensure compliance with the degree requirements of Dalhousie University. A special program has been developed for students requiring academic assistance. All divisions of Student Services co-operate in the program together with a number of departmental faculty advisers. Students who may experience difficulties are encouraged to consult with the Dean who reviews their situation and advises them of the various services available.

Many students, particularly those in their first year, experience difficulty in organizing and presenting written work. In an attempt to respond to this problem, the University provides a *Writing Workshop*. Attendance is on a voluntary basis. For further information call 424-3379.

Non-Canadian students should look to this office for assistance in matters related to immigration status, medical insurance or any matter of special concern to visa students. An International Students Centre, located at 1394 Edward Street, serves as a meeting place for all International Students.

Information about CUSO, WUSC and CBIE can be had through the Office of the Dean.

## Student Counselling Service

The Counselling and Psychological Services Centre offers programs for personal, career and educational concerns. Counselling is provided by professionally trained, male and female, Counsellors and Psychologists.

Strict confidentiality is ensured. Counselling is available both individually and on a group basis. Topics covered by regularly offered group programs include Study Skills, Career Decision Making, Exam Anxiety Reduction, Public Speaking Anxiety Reduction, Assertiveness Training and Shyness Clinic, Resume Writing and Job Search Skills. Information on a wide variety of careers and academic programs is available in the Career Information Centre. Students wishing to get a first hand view of careers they are considering entering, may contact alumni willing to discuss their career experiences through the Centre's Mentors and Models program.

The Counselling and Psychological Services offices and the Frank G. Lawson Career Information Centre are located on the 4th Floor of the Student Union Building. Inquire or make appointments by dropping in or calling 424-2081.

## Chaplaincy at Dalhousie

The University provides facilities for chaplains appointed by various churches. There are four full-time chaplains at Dalhousie, representing the Anglican, Roman Catholic, Lutheran, and United Church traditions. In addition, contact ministers are designated by the Baptist, Jewish, and Presbyterian traditions and can be reached through the Chaplains' Office on campus. The Chaplains' Office is located on the third floor of the Student Union Building. Office hours are Monday to Friday 9-5. Appointments can be made for other convenient times. The chaplains are available at any time for emergencies. Outside office hours, chaplains may be reached by calling 455-7971, or via the SUB Enquiry Desk 424-2140.

## University Health Service

The university operates an out-patient service, in Howe Hall, at Coburg Road and LeMarchant Street staffed by general practitioners and a psychiatrist. Further specialists' services are available in local hospitals and will be arranged through the Health Service when indicated. All information gained about a student by the Health Service is confidential and may not be released to anyone without signed permission by the student.

In the event of emergency, students should telephone the University Health Service at 424-2171 or appear at the clinic in person. The university maintains health services on a 24-hour basis with a physician on call. The offices are closed from 10 p.m. to 8:30 a.m.

All students must have medical and hospital coverage approved by the Health Service. All Nova Scotia students are covered by the Nova Scotia Medical Services Insurance. All other Canadian students must *maintain* coverage from their home provinces. This is especially important for residents of any province requiring payment of premiums. All non-Canadian students must be covered by medical and hospital insurance prior to registration. Details of suitable insurance may be obtained from the University Health Service prior to registration. Any student who has had a serious illness within the last 12 months, or who has any chronic medical condition, should contact and advise the Health Service, preferably with a statement from his doctor.

The cost of any medication prescribed by a physician is recoverable under a prepaid drug plan administered by the Student Union.

## Housing/Residence Services

For the 55 per cent of Dalhousie University Students whose homes are outside the Halifax Metropolitan area, where to live while attending university is a major question. The supply of University owned housing does not meet the demand and the vacancy rate in the various private, commercial units is very low. It is therefore very important that students planning to attend Dalhousie think well in advance about their

accommodation needs. It is fair to say two things about housing for Dalhousie students: first, early application for University residence is essential and second, students seeking off-campus housing should also begin to investigate that process well in advance of the beginning of term.

The traditional style residences at Dalhousie are chiefly for undergraduate students; very few graduate spaces are allocated and in many cases students pursuing advanced degrees are not prepared to live with the exuberance of first and second year students.

The information below gives a description of A. traditional on-campus residences, B. off-campus housing owned by the university and C. the services offered by the off-campus housing office listing service. In each case the name of the person responsible is listed and telephone number provided.

**Please Note:** Academic acceptance by the University, i.e., admission to a course of study, DOES NOT IN ANY WAY GUARANTEE admission to University Housing or provision of off-campus accommodation.

It is the responsibility of the individual student in all cases to **make separate application for the university housing** of her/his choice, or to avail him/herself of the listing services provided by the Off-Campus Housing Office.

**Early application for university residences and housing is strongly recommended.** Applications will be received commencing January 1. Students are encouraged to complete their applications before March 1.

### A. Traditional Style On Campus Residence

**Howe Hall — Men** (located on corner of Coburg Rd. at LeMarchant St.)

Residence life offers a major opportunity to meet many students of diverse backgrounds, beliefs, opinions and cultures. The challenge of group living can be both rewarding and educational.

In order to encourage closer bonds within a fraternal atmosphere, Howe Hall Men's Residence is divided into five houses: Henderson, Studley, Smith, Bronson and Cameron. Each house has its own identity and yearly elects a President who sits on the Howe Hall Residence Council.

Howe Hall provides fully furnished accommodation for 525 male students in single and double rooms. The double rooms constitute 50 per cent of the accommodation and are normally filled by first-year students. The majority of other rooms are assigned to undergraduates and for this reason graduate students may wish to seek accommodation elsewhere. Central dining is provided in two dining rooms. Television lounges, a games room, squash courts, weight room and laundry facilities are readily available. A comprehensive intramural sports program is administered by the Residence Council.

Applications should be submitted early since accommodation is limited.

Direct inquiries to: Patrick J. Donahoe, Dean of Men, Howe Hall, Dalhousie University, Halifax, Nova Scotia B3H 4J5. Phone (902) 424-2107.

**Shirreff Hall — Women** (located at the corner of South and Oxford Streets)

The residence provides opportunities for students to become a part of a community and to participate in a variety of educational, cultural and recreational experiences. Residential living is an integral part of a student's development, where leadership, responsibility and other pertinent life skills are enhanced. To achieve this, senior students (Residence Assistants, Floor Presidents and Vice-Presidents) are trained to work with the residents in their areas to create a communal environment that contributes to their intellectual, social and personal growth.

There are 3 sections in Shirreff Hall — Old Eddy, New Eddy and Newcombe — which accommodate 445 students in single and double rooms. One-half of the residence is reserved for first-year students and the other half for more senior students in undergraduate programs. First-year students are normally assigned to double rooms. In the centre of the building is the dining room, providing full meal services. The building also contains a library, a games room, television lounges, study hall, exercise room, kitchenettes and laundry rooms. Student rooms are furnished as study bedrooms.

A varied and active social and sports program is co-ordinated under the auspices of the self-governing Residence Council.

Early application for all accommodation is advisable. Inquiries should be directed to: Mrs. Pamela Stonehouse, Dean of Women, Shirreff Hall, Dalhousie University, Halifax, Nova Scotia B3H 4J4. Phone (902) 424-2577.

## B. Off Campus, University Owned Housing

**Co-Ed Residence — Fenwick Place** (5599 Fenwick Street, a 15 minute walk from campus-also on City Transit Route).

Fenwick Place is Dalhousie University's 33 storey high-rise apartment residence. Several one and two bedroom apartments, as well as the two bachelor apartments per floor, are rented to married and single students respectively as conventional apartments. These apartments have a full kitchen with refrigerator, stove and ample cupboard space, a full bathroom and balcony. There is also a storage room in every apartment. Except for the stove and refrigerator the above apartments are unfurnished. Heat and hot water are included in the rent but tenants must make their own arrangements for electricity and telephone. Drapery tracks, draperies and carpets are not provided.

The remaining apartments in Fenwick Place are furnished to accommodate students in groups of two, three or four. Priority will be given to those who apply in complete groups of two, three or four. A four person apartment consists of four single bedrooms. A three person apartment consists of one single bedroom and one double (shared) bedroom. A two person apartment consists of two single bedrooms. All apartments have full kitchen with refrigerator and stove, a full bathroom, furnished living room and dining room and a balcony. All beds are single, bunk-style with a folding backboard that allows the bed to be used as a settee. Dresser drawers (built in under the bed), a desk with a bookcase and ample closet space are provided. Please note that meals, maid or room service are not provided. Dishes, cooking utensils, cleaning equipment and small appliances must all be provided by the students. Students must make their own arrangements for telephone; however electricity is included in the residence fees.

All inquiries and applications should be directed to: Mrs. Janice Irving, Manager, Fenwick Place, 5599 Fenwick Street, Halifax, Nova Scotia B3H 1R2. Phone (902) 424-2075.

**The Women's Residence Houses** (within walking distance of campus)

The women's residence houses are former family dwellings each with their own kitchen and living room/lounge and full baths. All rooms are furnished as study-bedrooms. Students must supply their own cooking utensils, small appliances, china and cutlery for use in the student kitchens. Each student is responsible for cleaning her room. Common rooms and facilities are cleaned by staff. These houses are reserved for students in the professional schools and graduate studies, but a few of the 100 spaces are available for undergraduate students.

Early application for all accommodation is advisable. Inquiries should be directed to: Mrs. Pamela Stonehouse, Dean of Women, Shirreff Hall, Dalhousie University, Halifax, Nova Scotia B3H 4J4. Phone (902) 424-2577.

**Glengary Apartments — Women** (situated on Edward Street, 5 minutes walk from main campus)

Glengary Apartments is a furnished building with accommodation for 52 students in 12-4 person apartments and 4 bachelor apartments. It is situated within walking distance of the campus. Preference for the four person apartments will be given to students in their third or second year of an undergraduate program, who apply in groups of four. These apartments contain 2 single rooms, 1 double room, kitchen, living room and bathroom.

Early application for all accommodation is advisable. Inquiries should be directed to: Mrs. Pamela Stonehouse, Dean of Women, Shirreff Hall, Dalhousie University, Halifax, Nova Scotia B3H 4J4. Phone (902) 424-2577.

**International Student Housing** (5 minutes walk from main campus) (Available only to students arriving in Canada for their first year at Dalhousie).

Dalhousie University provides off-campus housing in three rooming houses. The rooming houses consist mainly of single rooms, with some cooking facilities, but shared bath. The rooms are furnished with a bed, desk, drapes and chairs. Most of the single rooms have a common bath and kitchen area. Paper towels, toilet tissue, garbage bags and light bulbs are supplied, COOKING UTENSILS ARE NOT. Heat, hot water, and electricity are supplied, but tenants must make their own arrangements for telephone. MEALS, MAID OR ROOM SERVICE ARE NOT PROVIDED.

Inquiries should be directed to: Mrs. Janice Irving, Manager, Fenwick Place, 5599 Fenwick Street, Halifax, Nova Scotia B3H 1R2.

**Apartment Units — Co-Ed** (5 minutes walk from main campus)

Dalhousie University offers off campus housing in two apartment buildings on University Avenue consisting of bachelor, one and two bedroom units.

The apartments have a fridge and stove, ample cupboard space, and a full bathroom. The apartments are unfurnished except for the stove and fridge. Heat and hot water are included in the rent but tenants must make their own arrangements for electricity and telephone. Drapery tracks, drapes and carpets are not provided.

Inquiries should be directed to: Mrs. Janice Irving, Manager, Fenwick Place, 5599 Fenwick Street, Halifax, Nova Scotia B3H 1R2.

## General Information

All application forms must be accompanied by an application fee and deposit in Canadian funds. No applications will be processed until the fee and deposit are received. Amounts will be stated on the application forms.

Students living in residence MUST maintain FULL TIME status at Dalhousie University.

## C. Off Campus Listing Service

The University Housing Office on the main floor of the Student Union Building on University Avenue, co-ordinates information on housing, apartments and other accommodation offered for rent in the Halifax-Dartmouth area. Information is posted on notice boards outside the Housing Office and a phone is provided for use in calling prospective landlords. A list of temporary accommodation, as well as a list of rental agents in the area are available through the office. Office hours are sometimes extended during peak periods in late August and early September.

Inquiries should be directed to: Mrs. Sheila Fougere, Manager, Off-Campus Housing, Room 120, Dalhousie Student Union Building, Halifax, Nova Scotia B3H 4J2, (902) 424-3831.

## Dalhousie Student Union

President, Student Union: Jamie MacMullin

Vice-President: Sandra Bell

Treasurer: Sean Casey

General Manager, Student Union: A.P. Beckett, BCom, CA

The Dalhousie Student Union is an incorporated body comprising all full-time students of Dalhousie University, and other students who have paid their union fees of \$100. The objects of the Union include acting as the official organization of the students of Dalhousie, and promoting activities for the advancement of its members. Government of all extra-curricular student activities is another Union responsibility.

Because of Dalhousie's diverse student population, the central Council has two tiers of student government. Matters of concern only within a particular faculty or degree program are usually dealt with by the relevant major society, while matters of general interest are under the direct control of the Students' Council. Council has given the major societies power to collect compulsory fees.

The Union regulates scores of student organizations, represents students throughout the University and, wherever possible, provides services to students as requested. Through the Union's efforts, students operate their own building, and the Union budget is now in excess of a million dollars.

The Union employs a staff to administer its affairs and to enable the Union to carry out its obligations. Supervision of the staff is generally entrusted to the General Manager, a full-time employee of the Student Union who is responsible to the President and to Council. His job is largely administrative, but he is often called on for information and advice by the Council or other Union organizations. About eight full-time employees provide continuity and expertise. The Union uses its need for employees as a source of part-time work for students.

Every student has the opportunity to take advantage of the Union's financial, physical and organizational resources. To use that opportunity you should know who represents you on Council and who are the members of the Executive. The Student Council office is located on the second floor of the SUB and is open from 8:30 a.m. to 5:00 p.m. Monday through Friday. Council members have mail boxes located in that office. Union Executive officers also have offices in the SUB. Their office hours are usually posted, or messages can be left for them in Room 222 or at the Enquiry Desk.

## Student Clubs and Organizations

Extracurricular activities and organizations at Dalhousie are as varied as the students who take part in them.

Organizations range from small informal groups to large well organized ones; they can be residence-based, within faculties, or university-wide.

Some are decades old with long traditions, others arise and disappear as students' interests change.

The Student Handbook publishes a list of clubs, societies and organizations, and every fall new students are encouraged to select and participate.

## Dalhousie Arts Centre

The region's major performing arts theatre and the highly regarded Dalhousie Art Gallery, housed in the Dalhousie Arts Centre, are active places indeed.

The 1,041 seat Rebecca Cohn Auditorium presents a wide variety of programs ranging from ballet to rock, classical music to children's performances.

The Dalhousie Art Gallery offers the public access to national and

international touring exhibitions and initiates many ambitious and exciting exhibition programs.

## Athletics

Athletics and Recreational Services offers a wide range of programs for every Dalhousie student. More than sixty clubs and intramural programs offer fun, fitness and companionship while 14 varsity sports provide excitement for players and spectators alike. For those who prefer less competitive activities, there is a great number of fitness, leisure and aquatic instructional programs.

## Alumni Association

The Alumni Association is composed of over 36,000 former students of the University. It operates a number of programs, including reunions, branch receptions, sports events, information lectures, and a tutoring service. The association also publishes the *Dalhousie Alumni Magazine* which is sent to all Alumni and friends of the University.

The association sponsors a Student Leadership Conference, Scholarships and Bursaries, the Alumni Award for Teaching Excellence and arranges for alumni representation on the Board of Governors.

## Canadian Armed Forces

The Regular Officer Training Plan (ROTP), Medical Officer Training Plan (MOTP) and the Dental Officer Training Plan (DOTP) are completely subsidized university plans covering tuition, books, medical services, monthly pay and summer employment for up to four years of undergraduate study. Successful applicants serve as commissioned officers in the Canadian Armed Forces for varying compulsory periods after graduation.

For further information on above plans, contact a Canadian Forces recruiting centre.

## Awards Office

Director: G.G. Steedman, BA

The awards office offers information and assistance with respect to Dalhousie Scholarships, Bursaries and Prizes, the Canada Student Loan Program, Provincial Loan and Bursary Programs, and Dalhousie Loan Funds. Students with financial problems are encouraged to ask for advice at our office. Further information may be obtained from the Awards Office, Room 125, Arts & Administration Building. A booklet, Scholarships, Prizes and Financial Aid, is available from the office.



# University Regulations

## General

1. All students must report their local address while attending the University to the Office of the Registrar, on registration or as soon as possible thereafter. Subsequent changes must be reported promptly.
2. Place of Residence of Students. For the purpose of admission to the University, the place of residence of a student is the place of domicile. This is normally presumed to be the place (country, province, etc.) where the parents' or guardian's home is located. That place remains unchanged unless the Registrar is satisfied that a place of residence is established elsewhere.
3. No person under sixteen years of age is admitted to any class except by special permission of the Senate.
4. All students must agree to obey all the regulations of the University already made or to be made, and pay the required fees and deposits before entering any class or taking any examinations.
5. Students taking classes in another Faculty as part of an affiliated course must conform to the regulations of that Faculty with respect to these classes.
6. A student is not eligible to register unless all previous accounts, including fees, library fines, and other fines to the University have been paid.
7. Late registration requires the approval of the Dean of the Faculty.
8. Withdrawal: See the individual faculty regulations and the fee section.
9. Tuberculin Test: In the interests of public health in the University, students are encouraged to have a tuberculin test. This is compulsory for Dental, Dental Hygiene, Medical and Physiotherapy students. Facilities for testing are arranged by the University Health Services.
10. Transcript of Record: A student may receive only an unofficial transcript. Official transcripts will be sent at a student's request to other universities, or to business organizations, etc. on payment of the required fee. If a student so requests, copies of a medical certificate will be enclosed with the transcripts.
11. The Senate is charged with the internal regulations of the University, including all matters relating to academic affairs and discipline, subject to the approval of the Governors. Within the general policies approved by Senate, academic requirements are administered by the Faculty concerned.
12. When the work of a student becomes unsatisfactory, or a student's attendance is irregular without sufficient reason, the Faculty concerned

may require withdrawal from one or more classes, or withdrawal from the Faculty.

13. If a student is required to withdraw from a Faculty because of failure to maintain adequate academic standing, such a student may apply to another Faculty. However, in assessing the application, previous performance may be taken into consideration.

14. Students whose accounts are delinquent on March 15 will not be eligible for graduation at the May convocation. For October or February graduation the dates are Sept. 1 and Jan. 1 respectively.

## Discipline

1. Members of the University, both students and staff, are expected to comply with the general laws of the community, within the University as well as outside it.
2. Alleged breaches of discipline relating to student activities under the supervision of the Dalhousie Student Union are dealt with by the Student Union. Alleged breaches of discipline relating to life in the residences are dealt with by the appropriate Dean or Director of Residence in consultation with the relevant Residence Council. Senate is charged with the authority to deal with cases of alleged academic offences (which is delegated to the Senate Discipline Committee), as well as certain other offences.
3. On report of a serious breach of the law, or a serious academic offence deemed by the President, or in his or her absence by a Vice-President or the Dean of a Faculty, to affect vital University interests, a student involved may be temporarily suspended and denied admission to classes or to the University by the President, Vice-President or Dean, but any suspension shall be reported to the Senate, together with the reasons for it, without delay.
4. No refund of fees will be made to any student required to lose credit for any course taken, required to withdraw or who is suspended or dismissed from any class or any Faculty of the University.

## 5. Examples of Academic Offences

### (a) Plagiarism

Plagiarism is considered a serious academic offence which could lead to loss of credit and suspension from the University. Plagiarism may be defined as the presentation by an author of the work of another author, in such a way as to give one's reader reason to think that the other author's work is one's own. A student who is in any doubt as to what constitutes plagiarism is urged to discuss the matter with the instructor concerned *before* completing an assignment.

### (b) Irregularities in Admissions Procedures

A member of the University who gains admission or assists any other person in gaining admission by any irregular procedure, for example, by falsifying an academic record or by forging a letter of recommendation or by impersonating any other person, commits an academic offence and is liable to a penalty.

### (c) Irregularities in Evaluation Procedures

A member of the University who attempts or who assists any other person in an attempt to obtain, by irregular procedures, academic standing in a course related to any degree, diploma or certificate program, commits an academic offence and is liable to a penalty. Without limiting possible irregularities in evaluation procedures that may be considered by the Senate Discipline Committee, the following examples shall be considered irregular procedures:

- (i) arranging for or availing oneself of the results of any personation at any examination or test, or,
- (ii) attempting to secure or accepting assistance from any other person at any examination or test, or,
- (iii) having in one's possession or using any unauthorized material during the time that one is writing any examination or test, or,
- (iv) without authorization procuring a copy of an examination, test or topic for an essay or paper, or,
- (v) in the absence of any enabling statement by the Faculty member in charge of that course, submitting any thesis, essay, or paper for academic credit when one is not the sole author, or,
- (vi) without authorization submitting any thesis, essay or term paper that has been accepted in one course for academic credit in any other course in any degree, diploma or certificate program.

## Senate Discipline Committee

### 1. Composition

Academic Offences are dealt with by the Senate Discipline Committee, which consists of five members, three of which are members of the Senate and two of which are students.

### 2. Terms of Reference

- (a) The Senate Discipline Committee is vested with original jurisdiction to consider all complaints or allegations respecting offences or irregularities of an academic nature, including those relating to admissions procedures and evaluation procedures, and to impose penalties in cases where the Committee finds an offence or irregularity has occurred.
- (b) The Senate Discipline Committee shall assume jurisdiction when a complaint or allegation respecting offences or irregularities of an academic nature are brought to its attention by the Secretary of Senate.
- (c) The Senate Discipline Committee shall report its findings and any penalty imposed to the Secretary of the Senate. The Secretary of the Senate shall forward a copy of the report to any member of the University community whom the Senate Discipline Committee has found to have committed an offence or irregularity and if the member concerned be other than a student a copy shall also be sent to the Vice-President (Academic).
- (d) If the member of the University found to have committed an offence or irregularity is a student, he may appeal to Senate any finding or any penalty imposed by the Senate Discipline Committee by advising the Secretary of the Senate in writing within 30 days of receipt of the report by the student.
- (e) The Senate Discipline Committee, when it finds that a member of the University who is a student has committed an academic offence or irregularity may impose one or more of the following penalties:
  - (i) loss of all credit for any academic work done during the year in which the offence occurred;
  - (ii) suspension of rights to attend the University for a specified period;
  - (iii) dismissal from the University;
  - (iv) such lesser penalty as the Committee deems appropriate where mitigating circumstances exist.

## Definitions

**Full-time Students:** those registered for three full classes or more, or the equivalent of three half credit classes or more in either first or second term.

**Graduate Students:** students who are enrolled in the Faculty of Graduate Studies.

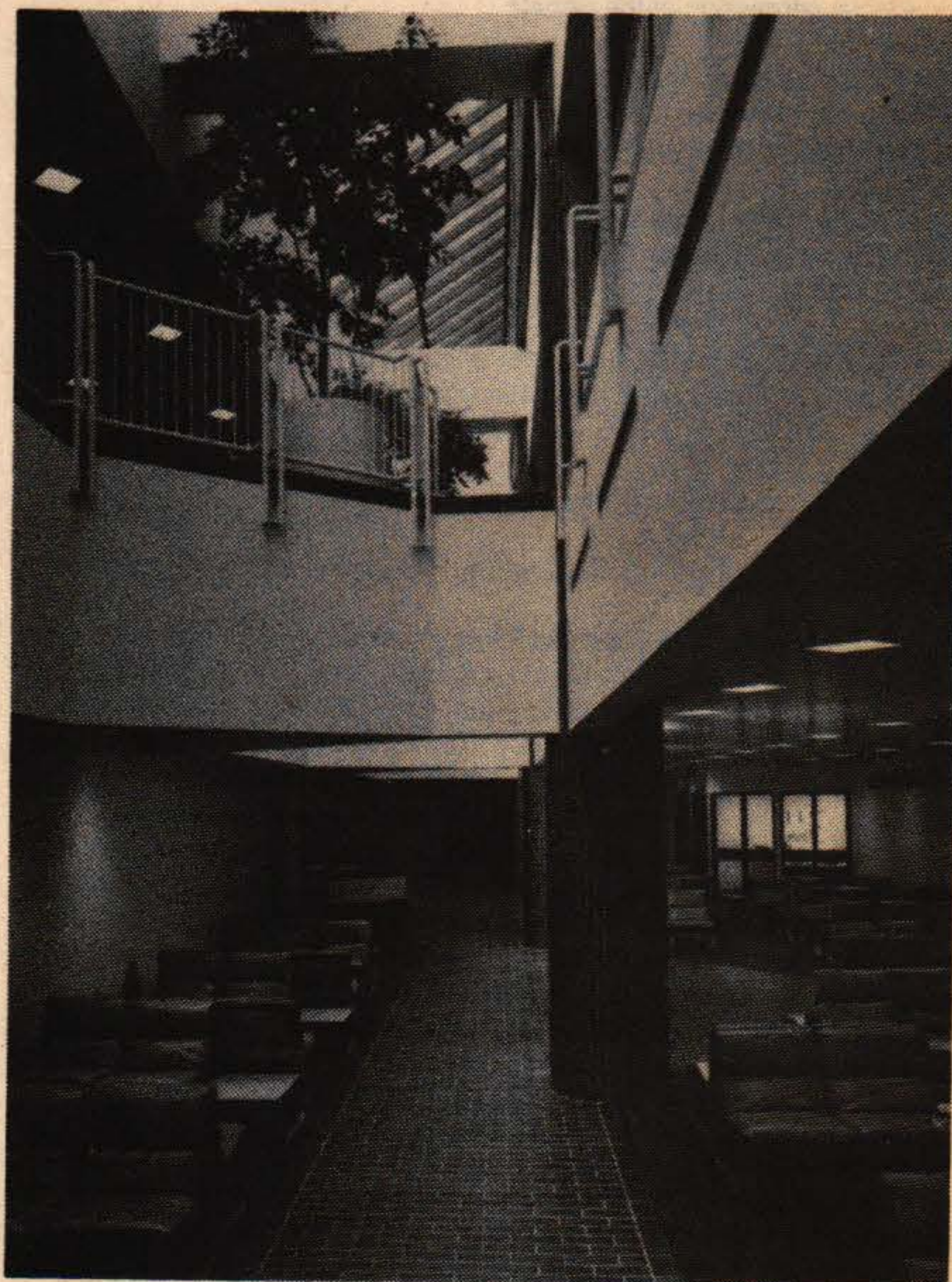
**Matriculation Standing:** Senior Matriculation designates the level of studies attained by students who have successfully completed Grade XII in public high school in Nova Scotia or its equivalent elsewhere.

**No-degree Students:** students who are not candidates for a degree or diploma but who wish to take one or more university classes which may be allowed for credit. This is not the same as auditing a class. No-degree students must satisfy normal admission requirements.

**Part-time Students:** students registered for fewer than three full-credit classes or the equivalent of three half-credit classes in either first term or second term.

A full credit class is equivalent to 6 credit hours.

**Undergraduates:** students who are candidates for an undergraduate qualification.



# Fees

## Academic Fees

**NOTE:** All the regulations in this section may not apply to Graduate students. Please refer to the "Faculty of Graduate Studies" section of the Graduate Studies Calendar.

### Introduction

Academic sessions at Dalhousie are as follows:

Fall Session:	September — December
Winter Session:	January — April
Summer School (first session):	May — June
Summer School (second session):	July — August

This section outlines the University Regulations on academic fees for both full-time and part-time students enrolled in programs of study during the fall and winter sessions only. Students wishing to register for the first or second summer session should consult the Summer School Calendar for information on registration dates and fees. The Summer School Calendar is available from the Director of the Summer School and the Registrar's Office.

In addition students should note the application and registration deadlines contained in the Almanac on pages 4 and 5 of this calendar. Students should also be aware that additional fees and/or interest will be charged when deadlines for payment of fees as contained herein are not met.

## Regulations for Payment of Fees

Academic fees are comprised of: (a) the University fee for tuition and (b) incidental fee comprised of Student Union and Society fees.

The following general regulations are applicable to all payments made to the University in respect of fees.

*Fees must be paid in Canadian funds by cash or negotiable cheque.*

If payment is by cheque and it is returned by the bank as non-negotiable, there will be an additional fee of \$15.00 and the account will be considered unpaid. Furthermore, if the bank returns a cheque that was to cover the first payment on tuition, the student will not be considered registered and, if applicable, the late registration fee will apply.

Bills for fees will not be issued. The receipt obtained from Student Accounts each time a payment is made will show the date and amount of the payment as well as the balance outstanding.

The particular fees and deposits together with the specified dates upon which payments are required are set out below.

### Application Fee

An application fee of \$15.00 must accompany the application form submitted by any student for any program except one in which the applicant has been previously enrolled. If the fee is paid for a given session, and the applicant does not attend, whether accepted or not, and reapplies to the same program for a subsequent session, the fee is again payable. Application fees are not refundable and are not applied as a credit to academic fees.

## Admission Deposit

A deposit of \$100.00 is required by all new students (except in Law, where the required deposit is \$200.00) within three weeks of receipt of an offer of a place at Dalhousie. Further information on the regulations governing the refund of admission deposits is contained in the section below on Refunds and Withdrawals. Where fees in full are payable by a government or other agency, any deposit paid by an individual will be refunded to the student by November 15, unless the account is not paid by November 1. In this case the refund will be made as soon as payment is received from the government or other agency.

## Foreign Students

Students registering at Dalhousie who are not Canadian citizens or permanent residents are required to pay an additional fee referred to as a "Differential Fee". For visa students who commenced their current program of study prior to the 1985-86 academic year, the fee is \$1500.00. For those visa students who commenced their current program of study during or after the 1985-86 academic year the fee is \$1700.00. There is a proportionate change for part-time foreign students. The payment of the differential fee is payable with the first installment of fees each year.

## Academic Fees

*The 1987-88 fee schedule was not available at the time of printing this calendar and will be available from the Student Accounts Office and Registrar's Office no later than June 1987. The fee schedule for 1986-87 has been provided for information only. For purposes of this section of the calendar a full-time undergraduate student is one who is registered for the fall and winter terms for more than three full credits, or if registered for only one term, for more than three half credits. Students other than those registered in Law, Medicine, Dentistry or a graduate program may be registered full-time in one term and part-time in the other.*

### Registration

In order to complete the registration process all students:

- i) must register on or before September 12, 1987 for the fall term and on or before January 4, 1988 for the winter term;
- ii) must complete and submit the necessary class approval and registration forms to the Registrar on or before the specified registration dates;
- iii) must submit to the Student Accounts Office on or before the specified registration dates the forms in ii) above once approval has been obtained from the Registrar;
- iv) must pay a registration deposit of \$50.00 on or before the specified registration dates unless an admission deposit has already been paid. Regardless of whether or not the student has paid an admission deposit, the procedures for registration as outlined herein must be completed. This applies to all students including those on scholarships, fellowships, Canada Student loans, or whose fees will be paid by external organizations;
- v) holding scholarships or bursaries paid by or through Dalhousie University must provide at registration adequate documentary evidence of entitlement to sums claimed under the award;
- vi) whose fees are to be paid by a government or other agency must provide a signed statement from the organization at registration.

The completion of the registration process shall be deemed to be an agreement by the student for the payment of the balance of fees unless formal action to withdraw in accordance with these regulations is taken in writing at the Registrar's office. Graduate students wishing to withdraw

## Academic Fees 1986-87

	University Fee	Student Union Fee (incl. Year Book in graduating year)	Society Fee	TOTAL	If paid on or before August 31, 1986 pay only	If paid by TWO installments At Registration	Bal. Before Jan. 25/87
<b>Arts and Science</b>	1,525.00	100.00	5.00	1,630.00	1,600.00	1,050.00	580.00
King's (Payable to Dalhousie)	1,525.00	—	5.00	1,530.00	1,500.00	1,050.00	480.00
Engineering	1,612.00	100.00	10.00	1,722.00	1,690.00	1,050.00	672.00
<b>Health Professions</b>							
Nursing	1,612.00	100.00	15.00	1,727.00	1,695.00	1,050.00	677.00
Outpost Nursing, 2nd year	1,612.00	—	15.00	1,627.00	1,595.00	1,050.00	577.00
Pharmacy	1,612.00	100.00	31.50	1,743.50	1,711.50	1,050.00	693.50
Clinical Residence - Pharmacy	389.00	—	—	389.00	389.00	389.00	—
Phys. Ed., Health Ed., Rec.	1,612.00	100.00	10.00	1,722.00	1,690.00	1,050.00	672.00
Physio./Occ. Therapy	1,612.00	100.00	13.00	1,725.00	1,693.00	1,050.00	675.00
B.S.W.	1,525.00	100.00	10.00	1,635.00	1,605.00	1,050.00	585.00
<b>Management Studies</b>							
B Com.	1,612.00	100.00	30.00	1,742.00	1,710.00	1,050.00	692.00
C.P.A.	1,525.00	100.00	10.00	1,635.00	1,605.00	1,050.00	585.00
<b>Graduate Studies</b>							
Full time	1,633.00	100.00	20.00	1,753.00	1,720.00	1,200.00	553.00
Full time MBA	1,633.00	100.00	35.00	1,768.00	1,735.00	1,200.00	568.00
Part-time for Degree	563.00	40.00	10.00	613.00	602.00	400.00	213.00
Thesis-only Full-time	254.00	100.00	20.00	374.00	374.00	374.00	—
Thesis-only Part-time	254.00	50.00	10.00	314.00	314.00	314.00	—
M.Sc. Dentistry-Oral Surgery	1,898.00	100.00	20.00	2,018.00	1,980.00	1,200.00	818.00
LL.M. (Full-time); J.S.D.	1,747.00	100.00	20.00	1,867.00	1,832.00	1,200.00	667.00
LL.M. (Part-time for Degree)	874.00	50.00	10.00	934.00	917.00	625.00	309.00
<b>Law</b>	1,747.00	100.00	15.00	1,862.00	1,827.00	1,200.00	662.00
<b>Medicine</b>							
MD	1,898.00	100.00	25.00	2,023.00	1,985.00	1,200.00	823.00
Postgraduate, Interns, Residents	389.00	—	—	389.00	389.00	389.00	—
<b>Dentistry</b>							
D.D.S.	1,898.00	100.00	150.00	2,148.00	2,110.00	1,200.00	948.00
*D.D.S. Advanced Standing	3,796.00	100.00	150.00	4,046.00	3,970.00	2,400.00	1,646.00
Dental Hygiene	1,612.00	100.00	35.00	1,747.00	1,715.00	1,050.00	697.00
*Dental Hygiene Advanced Standing	3,224.00	100.00	35.00	3,359.00	3,295.00	2,100.00	1,259.00
Postgraduate Periodontics	1,898.00	100.00	150.00	2,148.00	2,110.00	1,200.00	948.00

\*Candidates with advanced standing admitted to special programmes in D.D.S. and DENTAL HYGIENE to meet Provincial Professional Qualifications, are required to pay double the University fee paid by students in regular programmes.

### Full Time - One Term Only

more than 3 one-half credits 757.00 50.00 — 807.00 807.00 807.00 —

### Part Time - Session and Term\*

All Faculties - Per Course

1 Full Credit Course	324.00	22.00	—	346.00	340.00	212.00	134.00
2 Full Credit Courses	628.00	44.00	—	672.00	659.00	424.00	248.00
3 Full Credit Courses	932.00	100.00	**	1,032.00(+)	1,013.00(+)	640.00(+)	392.00
1/2 Credit Course	162.00	11.00	—	173.00	173.00	173.00	—
1/3 Credit Course	108.00	11.00	—	119.00	119.00	119.00	—

### Audit - Session and Term\*\*\*

All Faculties - Per Course

1 Full Audit Course	162.00	—	—	162.00	162.00	162.00	—
1/2 Course for Audit	81.00	—	—	81.00	81.00	81.00	—
1/3 Course for Audit	54.00	—	—	54.00	54.00	54.00	—

\*Registered for a total of three (3) credits, or less, for session; or three one-half credits, or less for term.

\*\*Society Fee for the appropriate faculty is an additional charge.(+)

\*\*\*Course NOT for credit, for interest only. If during session a change from audit to credit is desired, an additional charge of \$25.00 plus the difference in fee for credit course is charged. See page 31 of 1987-88 undergraduate calendar for deadline.

Membership at Dalplex is included in the University fee for all FULL TIME students at Dalhousie and all PART TIME students at Dalhousie taking THREE full credit courses. Membership in Dalplex for ALL other part time students at Dalhousie may be obtained at the office of Dalplex at prevailing rates.

### Foreign Students (additional charge):

Visa Students (those who are not Canadian citizens or permanent residents) who commenced their current program of study prior to the 1985/86 academic year are required to pay a Differential Fee of \$1,500.00. For those Visa students who commenced their program of study in the 1985/86 academic year, the Differential Fee is \$1,700.00. There is a proportionate charge for part time. THE DIFFERENTIAL FEE IS PAYABLE EACH YEAR WITH THE PAYMENT OF THE FIRST INSTALLMENT OF FEES.

should initiate formal action to withdraw at the Office of the Dean of Graduate Studies.

### Payment of Academic Fees

The payment of academic fees will be received at the Student Accounts Office located on the basement level of the Arts & Administration building across from the I.D. Unit. (Telephone 424-3998) The following regulations apply to the payment of academic fees. For further information on regulations regarding withdrawal of registration, please refer to the Refunds and Withdrawals section below.

i) If full payment of academic fees is made on or before August 31, a discount of 2% of the University fee only will be given. Students receiving fee waivers and/or Dalhousie University scholarships are not eligible for this discount.

ii) Should students prefer to pay in two installments, any unpaid balance of the first installment is due on September 30, 1987 and the second by January 25, 1988.

iii) Students registering for either the fall or winter terms only must pay the unpaid balance of fees on or before September 30 or January 25 respectively.

iv) Scholarships or bursaries paid by or through Dalhousie University will be applied to fees.

v) When a Canada Student loan or bursary is presented at the Student Accounts Office, any unpaid academic and/or residence fees will be deducted.

vi) Fees cannot be deducted from salaries paid to students who are employed by Dalhousie University.

### Audit Students

*Full-time students may audit classes which are related to their programs without additional fees.* In such cases the student is required to obtain class approval and complete the registration process as described above.

A student registered to audit a class who during the session wishes to change to registration for credit must receive approval from the Registrar and *pay the difference in class fees plus a transfer fee of \$25.00.* This must be done before the last date for withdrawal without academic penalty as shown in the Almanac. The same deadline applies for a change from credit to audit.

### Late Registration

Students are expected to register on or before the specified registration dates. Where a student wishes to register after these dates, approval of the Dean of the Faculty and/or the Registrar is required. If approval is obtained on or before September 30 (January 30 for the winter term), a late registration fee of \$50.00 is payable at the time of registration and will be in addition to the \$50.00 registration deposit required. If approval is obtained after September 30 (January 30 for the winter term), a late registration fee of \$100.00 is payable at the time of registration and will be in addition to the first instalment of fees and any interest thereon.

## Refunds and Withdrawals

### NON-ATTENDANCE AT CLASSES DOES NOT CONSTITUTE WITHDRAWAL.

— A refund of fees will not be granted unless the following conditions are met.

— Written notification of withdrawal must be submitted to the Registrar's Office.

— After the approval of the Registrar has been obtained, (Dean of

Graduate Studies in the case of Graduate Students), application for a refund or adjustment of fees should be made to the Student Accounts Office immediately. The withdrawal process is official on the date application for withdrawal is made at the Student Accounts Office. Therefore the calculation of the refundable portion of fees will be based on this date. (Retroactive withdrawals will not be permitted.)

No refunds will be made for 30 days when payment has been made by personal cheque.

— A student who is dismissed from the University for any reason will not be entitled to a refund of fees.

— A student who has paid an admission deposit for a program in the Faculties of Arts and Science or Management Studies, and cancels that application before August 1 (December 1 for the winter term), is entitled to a refund of \$75.00. No refund of admission deposits will be made after this date.

— In any program in which the enrolment is limited, the first installment of fees is not refundable except on compassionate grounds (e.g. illness). Please refer to the definition of limited enrolment programs on page 20.

### Dates for Refund

The dates and refundable portion of fees on withdrawal for students registered in both the fall and winter terms as well as the fall or winter terms alone are outlined below.

#### For Students Registered in Both the Fall and Winter Terms

— A student withdrawing on or before September 30 will be charged an administration fee of \$25.00. However, where an admission deposit has been paid no administration fee is required.

— A student withdrawing after September 30 will be charged the incidental fees in full and may receive a refund of the balance on a proportional basis calculated in monthly units; a full charge will be made for the month in which the withdrawal is effective, including the month of December.

— A student withdrawing in January will be charged the full first installment of fees.

— A student changing from full-time to part-time status before February 1, must have the approval of the Registrar and will then be eligible for an adjustment in fees for the remainder of the session.

— No refunds will be made to students withdrawing after January 31.

#### For Students Registered in the Fall Term Only

— A student withdrawing on or before September 30, will be charged an administration fee of \$25.00. However, where an admission deposit has been paid no administration fee is required.

— A student withdrawing in the month of October will be charged one-third of the University fee plus the incidental fee in full, where applicable.

— No refunds will be made to students withdrawing after October 15.

#### For Students Registered in the Winter Term Only

— A student withdrawing on or before January 15, will be charged an administration fee of only \$25.00. However, where an admission deposit has been paid no administration fee is required.

— A student withdrawing after January 15 and before February 16 will be charged one-third of the University fee plus the incidental fee in full, where applicable.

— No refunds will be made to students withdrawing after February 15.

### Delinquent Accounts

Accounts are considered delinquent when the balance of fees has not been paid on or before September 30 (January 25 for students registered for the winter term only). Where payment in two installments is permitted the balance due is calculated on the basis of the installment amounts and dates specified in the 1987-88 fee schedule.

Compound interest at the monthly rate of 1.25% will be charged on

delinquent accounts for the number of days overdue. A student whose account is delinquent for more than 30 days will be denied University privileges including access to transcripts and records of attendance, Dalplex and the libraries. In the latter case the student will be reinstated upon payment of the fees outstanding, the arrears interest and a \$50.00 reinstatement fee.

Students whose accounts are delinquent on March 15 will not be eligible for graduation at the May convocation. For October or February graduation the dates are September 1 and January 1 respectively.

## General Information

### Location of Student Accounts Office

The Student Accounts Office is located on the basement level of the Arts and Administration building across from the I.D. Unit. The telephone number is 424-3998.

### Canada Student Loans

Students planning to pay the first installment of fees from a Canada Student Loan should apply to their Province in the early summer so that funds will be available at registration.

### Fees Deductible For Income Tax

The amount of fees constituting an income tax exemption is determined by Revenue Canada Taxation. At the present time this exemption for the student is calculated by deducting from the total charge; (1) the portion of the Student Union Fee for operating expenses of the Union as applicable, and (2) the Society Fee. Fees may be claimed as a deduction only by the student. A special certificate for income tax purposes will be issued on request to the Student Accounts Office in February of each year provided the fees are eligible for the issuance of the certificate.

## Other Fees and Deposits

### Identification Cards

All new full and part-time students may obtain identification cards upon registration and payment of proper fees. ID cards for those who register early for the regular academic year are issued by the ID Office (located in the central foyer of the Arts and Administration building basement) starting on the first weekday in June. For either summer school session, ID cards are issued starting two weeks prior to the commencement of classes. An ID card will only be issued upon presentation of the appropriate requisition form, authorized by both the Registrar's Office and the Student Accounts Office. If a card is lost, authorization for a replacement may be obtained from the Office of the Registrar. A fee of \$12.00 is charged for all replacement ID cards except in those cases where the University requires a replacement card. Regular academic year ID cards remain valid until the beginning of the following academic year (including summer session). ID cards issued specifically for a summer session expire at the conclusion of that session. At the commencement of subsequent consecutive years, validation stickers are affixed to the "expired" ID card. Should ID cards not be available for validation, a new one will be issued and the student charged for the replacement (currently \$12.00). A student who also becomes an employee of Dalhousie University will have a sticker showing the employee number placed on the student ID card. Similarly, a Dalhousie University employee may have a sticker showing the student number placed on the employee ID card when becoming a student.

### Laboratory Deposits

A deposit for the use of laboratory facilities in certain departments is required. The deposit amount is determined by and collected in these departments. Students will be charged for careless or willful damage regardless of whether or not a deposit is required.

## Supplemental and Special Examination

For supplemental and special examinations the fee is \$25.00 per examination. There is an additional fee of \$25.00 if an examination is written at an outside centre. The fee will be forfeited unless application for refund is made on or before July 31, or in the case of February supplemental examination, January 31.

The fee for reassessment of a class grade (where this is permitted) is \$3.00.

## Degree in Absentia

Any graduating student who is unable to appear at the convocation is expected to notify the Registrar in writing prior to May 12, for Spring convocations (or October 15 for Fall convocations), giving the address to which the diploma is to be mailed. In any case where notification is not received by the required date, and a student does not appear at the convocation, there will be a fee of \$20.00.

## Transcripts

Except for University purposes, transcripts, official or unofficial, will be issued only on the request of the student concerned. Official transcripts will be sent only to other universities, prospective employers, or other parties specified by the student. The charge is \$3.00 for the first copy, \$0.50 for each additional copy ordered at the same time for the same address. Transcripts will not be issued at the request of the student if any account with the university is delinquent.

## Dalplex

Membership at Dalplex is included in the University fee for all full-time students at Dalhousie and all part-time students at Dalhousie taking three full credit courses. Membership in Dalplex for ALL other part-time students at Dalhousie may be obtained at the office of Dalplex at prevailing rates.

## Definition

### Limited Enrolment Programs

For purposes of this section of the calendar the following programs are considered limited enrollment programs.

Master of Business Administration  
 Master of Library Service  
 Master of Public Administration  
 Master of Nursing  
 Master of Science in Human Communication Disorders  
 Master of Social Work  
 And all programs in the following faculties:  
 Faculty of Law  
 Faculty of Dentistry  
 Faculty of Medicine  
 Faculty of Health Professions

## Residence Fees

*Please note that the following are general statements. Because of the diversity of the residence facilities available practises do vary slightly from locale to locale.*

Applications for accommodation in all residences are accepted on the understanding that the student will remain for the whole academic session.

When students, who have chosen to live in residence and succeeded in securing a room, withdraw from residence before the end of the school year, there are serious financial penalties. One month's written notice must be given to the Dean or Manager. Complete information on withdrawal from residence is available from the residence Dean or

## Residence Fees and Meal Charges 1986/87

Period September 4, 1986, to the day in April after the last examination in the Faculty of Arts and Science (exclusive of Christmas vacation)

SUBJECT TO CHANGE

	Total	Prepaid Deposit	In Full At Reg.	Payable At Reg.	Balance January <sup>6</sup>
<b>Howe Hall<sup>1</sup></b>					
Single Room	\$3,535.00	\$100.00	\$3,435.00	\$1,750.00	\$1,690.00
Double Room	3,240.00	100.00	3,140.00	1,750.00	1,400.00
<b>Shirreff Hall<sup>2</sup></b>					
Single Room	3,500.00	100.00	3,400.00	1,750.00	1,660.00
Double Room	3,300.00	100.00	3,200.00	1,750.00	1,460.00
<b>Residence Houses<sup>3</sup></b>					
Single Room	2,050.00	100.00	1,950.00	1,000.00	960.00
Double Room	1,785.00	100.00	1,685.00	1,000.00	695.00
<b>Glengary Apartments<sup>4</sup></b>					
Single Room	2,100.00	100.00	2,000.00	1,050.00	960.00
Double Room	1,855.00	100.00	1,775.00	1,050.00	715.00
Bachelor Apartment	2,880.00	100.00	2,780.00	1,400.00	1,390.00
<b>Fenwick Place<sup>5</sup></b>					
Student shared rates:					
2 person	2,520.00	100.00	2,420.00	1,250.00	1,170.00
3 person	1,980.00	100.00	1,880.00	980.00	900.00
4 person	2,050.00	100.00	1,950.00	1,000.00	950.00
<b>Meals Only</b>					
Special rates for session:					
3 meals per day	1,510.00				
2 meals per day	1,450.00				

Charges for the 1987-88 Academic year will be available in May. For further information contact the Student Accounts Office, Financial Services, Arts & Administration Building.

<sup>1</sup> Charges include residence membership fee of \$25.00 and key deposit of \$6.00.

<sup>2</sup> Charges include residence membership fee of \$15.00 and key deposit of \$6.00.

<sup>3</sup> Charges include key deposit of \$6.00.

<sup>4</sup> Charges include caution deposit of \$50.00.

<sup>5</sup> The \$100.00 prepaid deposit is a damage deposit — see application for details.

The \$10.00 service charge is not applicable

Fenwick fees cover the following time period: September 1, 1986 — April 12, 1987 (Christmas vacation included)

<sup>6</sup> Charges include service charge of \$10.00

Manager. No refund will be made to any resident who is dismissed for misconduct. Discretionary power in exceptional circumstances remains with the Assistant Vice-President University Services. Confirmation of accommodation will not be granted until the student has been accepted by the University for the coming session and the \$125.00 residence application fee and deposit has been received.

Deposits may be made by cheque, bank draft or money order in Canadian funds and payable to Dalhousie University. No reservations will be held on post-dated or "NSF" cheques. Deposits cannot be deducted from scholarships, fellowships or similar awards.

### Payment of Residence Fees

Payment may be made in full at registration or, for an extra charge of \$10.00, in two installments as per rate schedule. Scholarships may be applied to residence charges only after tuition fees for the full session are paid. The first installment must be paid in full by September 30. To all accounts outstanding after September 30 interest of 1.25% per month will be charged. On second installments outstanding after February 1 interest of 1.25% per month will be charged. The student will not be permitted to register for another session until all accounts are paid in full. A student whose account is delinquent for more than 30 days will be denied University privileges including access to transcripts and records of attendance, Dalplex and the libraries. The student will be reinstated upon payment of the fees outstanding, the arrears interest, and a \$50.00 reinstatement fee.

### Key and Caution Deposits

Key and caution deposits may be charged before admission to residence. Policies vary from residence to residence.

The key deposit is refundable when the keys are returned to the Dean or Manager. The credit balance of the caution deposit will be refunded as soon as possible after the end of the academic session.

### Regulations and Additional Charges

The room and board session is defined as being from the Wednesday in September before classes begin in the Arts and Science Faculty to the last regularly scheduled examinations in the Faculty of Arts and Science in April.

No reduction in the board charge will be made for meals not taken, except that a rebate of \$20.00 per week may be considered in case of illness or other cause necessitating absence of four weeks or more.

Residence students may apply to the Dean for permission to stay in residence over the Christmas holidays, if they are unable to return home due to the distance involved. Dining rooms are closed during the Christmas break from the last day of Arts and Science exams in December to the evening before the first day of classes in January.

In Fenwick Place the rental period is based on a 32 week period beginning on Labour Day. For more specific details on dates of semesters students should contact the accommodation office at Fenwick Place.

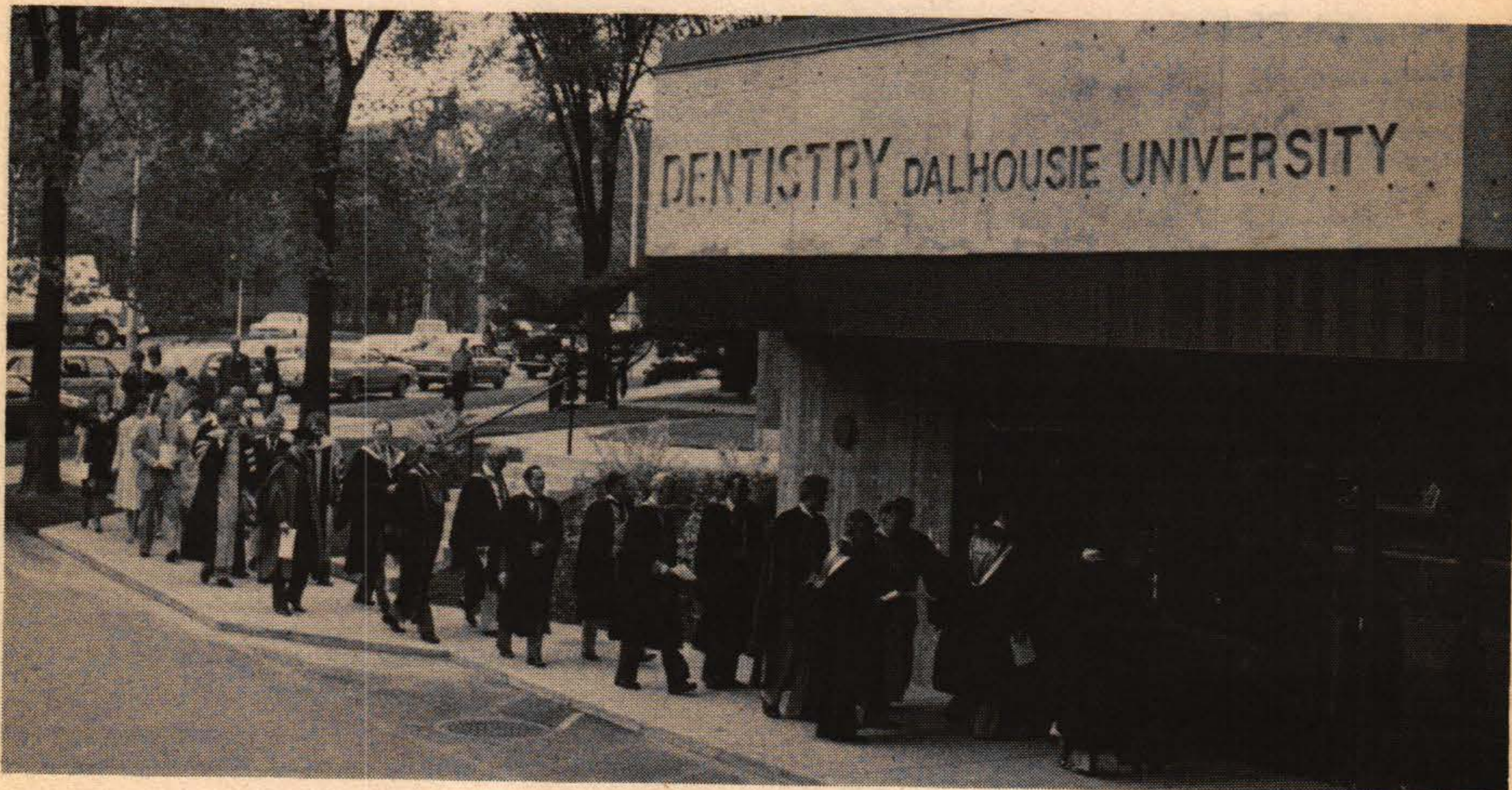
In all other cases, an additional fee is payable by all residents who are registered in a Faculty where the academic session commences before or continues after the session of the Faculty of Arts and Science. Special arrangements are to be made with the Dean or Manager by residence students for accommodation for periods prior to or following the session as defined above. The charge for such accommodation is as follows:

#### Residence students before or after current session as specified above for all residences

Room per night: \$14.00

Room per week: \$65.00

Non-residence students may be accommodated for temporary periods at the same rates, if accommodation is available.





# Faculty of Dentistry

The Maritime Dental College was founded in 1908 and quartered in rooms provided by Dalhousie University in the Forrest Building. In 1912 an arrangement was made by which the Maritime Dental College became the Faculty of Dentistry of Dalhousie University.

In the main, medical science classes of the Dentistry Course are offered by Departments of the Medical Faculty located in the Sir Charles Tupper Medical Building and the Dr. D.J. MacKenzie Laboratories & Diagnostic Centre. The other subjects in the curriculum are taught in the Dentistry building which was opened in 1958, and extensively enlarged and renovated in 1980.

The Dental Library contains practically complete files of the dental periodicals and a large collection of books.

Classes are supplemented by clinics and demonstrations in the Victoria General Hospital, the Izaak Walton Killam Hospital for Children, the Canadian Forces Hospital and the Department of Veterans Affairs Hospital (Camp Hill). The buildings are all close by and form part of a compact group of hospitals and teaching centres. These arrangements enable students to obtain extensive varied clinical instruction and experience.

In addition to the DDS Program the Faculty also offers a four-year graduate program leading to the Degree of Master of Science in Oral Surgery, a two-year post-graduate program leading to a Diploma in Periodontics and a two-year program leading to a Diploma in Dental Hygiene.

The Faculty also has an office for Continuing Education which arranges short courses primarily for dentists and dental hygienists.

## Admission to Doctor of Dental Surgery Program

The number of students admitted in any one year is limited by the availability of physical facilities.

Preference is given to residents of the Atlantic Provinces but applications from well qualified students from other provinces and countries may be considered.

For the information of possible applicants the following is provided showing the characteristics of the applicants and entering class of 1986/87.

Number of applicants: 212 (147 men, 65 women)

Number enrolled: 40 (20 men, 20 women)

Age of Students: Range: 20-33, Mean: 22.8, Over 30: 2

Pre-dental university education: 2 years — 2; 3 years — 6; 4 or more years (no degree) — 2; Bachelor's Degree — 30; Master's or equivalent — 0; PhD or equivalent — 0; DDS from foreign university - 0.

Residence: Atlantic Provinces — 38; Other Canadian Provinces — 1; Foreign — 1.

Mean DAT, reading comprehension — 4.45; Mean DAT, PAT — 4.65;

Mean DAT, chalk carving — 5.08; Mean DAT, academic average — 4.68.

### Place of Residence of Students

For dental admission purposes, the place of residence of an applicant is the place where the applicant is domiciled. This is normally presumed to be the place (country, province, etc.) where the home of his parents or

guardian is located. The DAT application form contains a question regarding Preferred Province of Residence. Under normal circumstances the Admissions Committee accepts the statement by the student of his preferred province of residence as it appears on the reported results of the Dental Aptitude Test. Attendance at a University in the Atlantic Provinces does not, by itself, constitute having residence in the Atlantic Provinces.

**Note:** Throughout this calendar "he" and "she" are interchangeable.

### Application Procedure

Applications must be made on the regular application forms, and *must be submitted to the Office of the Registrar by December 1st in order to be considered for admission in September of the following year.*

Applications from all students, including those who have attended Dalhousie or King's must be accompanied by a \$15.00 processing fee, which is not refundable and is not applicable to tuition fees. An application fee is required for each program for which an application is made.

Applications must be complete to be considered by the Admissions Committee. Applicants must therefore complete the Dental Aptitude Tests no later than November so that their files are complete for committee review in December. However, applications filed by the deadline can be completed at any time up to June 30th and are considered when completed if unfilled places remain in the entering class.

On notice of acceptance into the Faculty of Dentistry, applicants must deposit with the Registrar the sum of \$100 before a specified date. This amount is credited toward tuition fees if the student registers but is not refundable if he withdraws.

A new application form must be submitted in each year in which application is made. Official transcripts in support of the academic record must be forwarded by the Institution or Institutions at which the applicant completed his pre-professional studies. If the applicant is still engaged in university studies, it would be advantageous to forward an interim transcript. However, a final transcript must be forwarded on completion of these credits.

To ensure physical, mental and dental fitness a medical certificate and a dental certificate (which are part of the official application form) must be completed on behalf of each applicant.

Three completed confidential evaluation forms (provided in the application package) in regard to the applicant's character are to be forwarded directly to the Registrar. At least one of the forms must be from a university faculty member who has taught the applicant. The remaining forms should be from someone (not a relative) in the applicant's community. These are in addition to any assessment which may be obtained from a College Advisory Committee.

Applicants should make themselves known to university teachers so that the university evaluation can be based on a personal knowledge of the applicant by an appropriate Faculty member.

An application will not be considered if the applicant has been required to withdraw from studies at any other School of Dentistry or Medicine at the request of the Faculty of that Institution, unless the application is supported by a recommendation from the Dean of that School. In exceptional circumstances, certain of these regulations may be waived or modified by the Faculty Admissions Committee.

Applicants may be requested to make themselves available for an interview.

These regulations may be amended without notice by the Faculty of Dentistry.

### Admission to First Year of the DDS Program

The Faculty of Dentistry considers it desirable that all students intending to proceed to the study of dentistry should acquire a background in the

humanities and the social sciences and attain facility in the use of the written and spoken word. Therefore, while minimum entrance requirements are established, students are encouraged to proceed to a Bachelor's degree before seeking admission to the Faculty of Dentistry, particularly if there is any intention or likelihood of proceeding to graduate programs in dentistry or associated sciences. This statement is not to be interpreted to mean that any penalty will be imposed upon those who do not have more than the stated minimum requirements.

Prior to or after making application to the first year of the DDS Program, applicants are strongly encouraged to spend time in the office of their family dentist to learn about the dental profession. They are also encouraged to visit the Faculty of Dentistry and talk with and observe the dental students.

### Minimum Academic Requirements

While enrolled in a regular bachelor's degree program whose sole entrance requirement is Nova Scotia grade 12 or its equivalent, completion of the following before June of the year of expected entry to the Faculty of Dentistry: a minimum of 10 full-year academic classes\* (usually during two years of full-time attendance), including university classes of a full academic year's\* duration in English (students whose native language is French may substitute classes in French for classes in English; however, instruction is in English and the student must be proficient in English); biology, general chemistry, organic chemistry and physics. The science classes must include laboratory instruction or seminar periods. Students who will not have a degree by June of the year of expected entry must also have completed two full-year academic classes\* chosen from the humanities and/or social sciences as well as three other full-year academic classes\*.

\* a combination of two one-term academic classes in the same discipline is considered equivalent to one full-year academic class.

### Academic Classes

Most successful candidates complete an appropriate bachelor's degree program, incorporating the required classes. It is expected that the program includes classes in other disciplines such as humanities, social sciences, languages, and mathematics. Truly outstanding applicants who are residents of the Atlantic provinces, whose high school preparation included English, and who have enrolled in a regular degree program can be considered after completion of a minimum of 10 academic classes following senior matriculation or 15 academic classes following junior matriculation, provided the required classes and classes in humanities and social sciences are included in the course of study.

Because of the difficulty in comparing marks and grades from the various universities from which dentistry students are drawn, it is not possible to state a minimum standard that ensures serious consideration for admission. However, demonstrated capacity to carry a full program of demanding advanced level classes is a necessary asset for a dentistry student. The ability to obtain consistently better than average grades in such a program is the best indication of that capacity. An academic record which shows failed or repeated classes, classes passed with low grades or supplementary examinations, particularly in the two years prior to anticipated entry to dental school, makes the prospect of admission unlikely. Applicants with the best academic record have the greatest chance of admission. Nonetheless, the Admissions Committee can and does make significant use of non-academic factors in deciding which applicants are admitted (e.g. Dental Aptitude Test, interviews, university recommendation, references).

All Canadian applicants must submit test results from the Canadian Dental Association Dental Aptitude Testing Program. Applicants must sit the test no later than November to be considered for admission to the following academic year. Most successful applicants have achieved a score of 4.0 or better on their manual dexterity portion of the DAT.

*Information regarding the Dental Association Aptitude Testing Program may be obtained from the office of the Registrar, from the Faculty of Dentistry or by writing to the Administrator, Dental Aptitude Test Program, The Canadian Dental Association, 1815 Alta Vista Drive, Ottawa, K1G 3Y6.*

Applicants from other countries may submit the American Dental Association Dental Aptitude Testing Program results. While this information is not a final or deciding factor in selection it is used as an additional criterion by the Admissions committee when evaluating student qualifications.

### Admissions to Advanced Standing in the DDS Program

The Faculty of Dentistry will determine each academic year if spaces are available for advanced standing students. The availability of advanced standing opportunities is very limited.

Students who have completed all or part of their dental education in another approved Faculty of Dentistry may apply for admission with advanced standing on the following conditions.

1. Together with his completed form, the candidate must arrange for his University to submit for him a complete academic record of his dental studies.
2. No student is accepted for admission to advanced standing whose pre-professional standing is below that required for admission to the first year of dentistry at Dalhousie University.
3. Each applicant must be apprised as to his standing suitability. The Admissions Committee may be satisfied with a personal interview, or they may require a written/oral examination before reaching a decision.
4. Credit can be given only for the work of a completed year, and students must register for all classes of the succeeding year.
5. No student without a dental degree can be admitted to the undergraduate program of the Faculty later than the third year of the course.
6. Students who have a dental degree from a university in a foreign country may be considered for admission to third year Dentistry.
7. Applicants for advanced standing should take at least Parts One and Two of the Canadian National Dental Board examinations or at least Part One of the American National Dental Board examinations prior to applying to the Faculty of Dentistry.

### Class Waiver Policy

Course waivers may be granted by the Academic Standards Committee upon the recommendation of Division Heads, Departmental Chairmen or the Director of the School of Dental Hygiene as may be appropriate. Requests for such waivers must, in the case of dental students, be directed to the Assistant Dean for Academic Affairs and, for dental hygiene students, to the Director of the School. Such requests should be initiated prior to registration and in no case will a request be considered after the course has been in progress for two weeks. Documentations, including course descriptions and transcripts, must be submitted to the Assistant Dean or Director for review and prior approval in consultation with the appropriate academic Division, Department or School. Approval for the waiver of any course may be conditional, requiring partial attendance or completion of an appropriate project or examination.

### Eligibility

**Advanced Standing and Transfer Students:** Normally, advanced standing and transfer students are not eligible for course waivers unless specifically proposed by the Admissions Committee. If the student feels that there is sufficient cause for one or more course waivers to be granted, application must be made for all such waivers to the Assistant Dean for Academic Affairs. After consultation with the Admissions

Committee and appropriate Course Director(s) a recommendation will be forwarded to the Academic Standards Committee for consideration.

**Dentistry:** (a) Normally, a dental student who has successfully completed a Dalhousie course required by the dental curriculum with a grade of B- or better within the previous three years will not be required to repeat the course during his dental education.

(b) A dental student who has successfully completed a course at another university, with a grade of B- or better within the previous three years, which he believes is comparable to a required course in dentistry, may apply for a waiver in the usual manner. In this instance, the student will be required to successfully complete a challenge examination.

**Dental Hygiene:** Normally a dental hygiene student who has received a 'C' grade or better in a Dalhousie course that is required by the dental hygiene curriculum, is not required to complete the course during her dental hygiene education. A dental hygiene student who has received a 'C' grade or better for a course believed to be comparable to a dental hygiene course, may apply for a waiver in the usual manner. Under exceptional circumstances, a lower grade may be considered by the Academic Standards Committee on the recommendation of the Director of the School of Dental Hygiene.

### Computation of Grade Point Average

Students who are granted a course waiver shall, for the purposes of establishing (1) class rank; (2) grade point average; and (3) prizes and awards, have their final grades computed using only the required courses being taken.

### Promotion

A student will not be promoted to the class of any year unless he or she has passed in all subjects of the previous year and has obtained a clinical, didactic and overall grade point average of 2.0.

As an academic requirement, students are assessed in each year on their aptitude and fitness for the profession of Dentistry. A student who, in the judgment of the Faculty, fails to attain satisfactory standard on this assessment may be retired from the Faculty.

Students must prepare such exercises, reports, etc., as may be prescribed, and in classes involving laboratory or practical work they must complete such work satisfactorily before any credit for that course can be given. If Faculty deems it advisable, students may be given the opportunity to clear any deficiencies by means of remedial programs.

From time to time, certain clinical requirements are established for students. These requirements must be fulfilled before a student may obtain credit for the work of that year. Students who, in the judgment of the Faculty, are deficient for any reason in their clinical practice may be required by Faculty to return for a special clinical session or to repeat the year. The satisfactory completion of this clinical session is required in order to allow students either to continue in their regular course or to graduate at the Fall Convocation.

A candidate who has deficiencies at the termination of regular classes and who clears these deficiencies in time to be promoted or graduated will receive only the lowest passing grade in those subjects in which the deficiencies existed.

## Academic Year

The academic year commences in early September, and for the first three years, the course continues until the latter part of May. The academic year for the fourth-year class terminates in the latter part of April. Classes begin immediately after the regular registration date, and late registration will be permitted only under most exceptional circumstances, if approved by the Dean. Total length of the program is currently 125 weeks in actual attendance: two 32-week sessions of two

semesters each, a 32-week session of three semesters in third year, and, a 29-week session of two semesters in the fourth year.

### Illness or Absence

It is the student's responsibility to immediately inform Course Directors, the Office of the Dean and, when clinical activities are involved, the Director of Clinics and any scheduled patients, of any absence due to illness, injury, or other serious cause. Application for special consideration due to injury, illness, or other serious cause shall be made to the Dean not later than three week days (excluding holidays) after the student's return to classes following an injury or illness.

Failure to report as required may limit a student's right to appeal an unsatisfactory course grade or the failure of an academic year. Written policies describing the responsibilities of students in such cases are available through class officers as well as the Dean's Office.

## Examination and Class Grades

### Admission to Examinations

In order to qualify for admission to examinations, candidates must attend the prescribed classes of the curriculum regularly and punctually. Certificates indicating less than 90% of attendance at any class are not ordinarily accepted.

### Class Grades

Upon completion of a class a student is awarded a grade of A+, A, A-, B+, B, B-, C, D, FM or F. In this system A+ is the highest and D is the lowest passing grade; FM is a failing grade that allows an otherwise qualified candidate to take a supplemental evaluation; F is a failing grade disqualifying the student from further evaluation without repeating the course.

The teaching divisions concerned are responsible for defining the requirements for grades A, B, C, D, FM, and F. If a division also wishes to award any of the grades, A+, A-, B+ or B-, definitions of these requirements must be available as well.

### Grade Point Equivalents and Averages

Grade point equivalents are used to calculate grade point averages, which in turn are used to determine class standing and as factors in determining recipients of prizes and awards.

Grade	Point Equivalent
A+, A, A-	4
B+, B, B-	3
C	2
D	1
FM, F	0

### Calculation of Average

Each class is assigned a weight based on its length and the mix of lecture, laboratory or clinical components, however the difference in weight between the smallest and largest didactic course weight in any year may not be greater than a 1:3 ratio. An individual student's point equivalent for each class is multiplied by the course weight. The student's grade point average is calculated by adding up the weighted grade point equivalents earned for all the separately numbered classes for the Academic Program and divided by the sum of the class weights for all classes.

### Supplemental Examinations

A candidate who has received FM grades in not more than two subjects of any year and who has attained the required overall grade point average of 2.0, is entitled to supplemental examinations in such subjects, provided he or she is qualified in attendance and class work

for admission to examination. A candidate who has failed in more than two subjects in any one year or who has received an F grade in any course or has received an overall grade point average less than 2.0, does not receive any credit for work done in that year.

Supplemental examinations are held on the day specified in the Academic Calendar, and during the regular examinations in the Spring, but at no other times and are written at Dalhousie unless approval is obtained to do otherwise.

Other forms of supplemental evaluations may be prescribed for different aspects of the program such as laboratory and clinical assignments. These are carried out in periods determined by the Faculty.

Application for admission to a supplemental examination must be made on or before July 15th. Application forms may be obtained from the Dean of Dentistry's Office and must be accompanied by the proper fee.

On passing a supplemental examination or evaluation the candidate receives no higher than the lowest passing grade (D).

### Promotion and Graduation

First and second year students are not promoted unless they have passed all subjects and obtained a grade point average of 2.0 in each year. Students in third year are not promoted unless they have passed all subjects, obtained a grade point average of 2.0 in all clinical subjects, a grade point average of 2.0 in all didactic subjects, and an overall grade point average of 2.0. Students in fourth year are not graduated unless they have passed all subjects, obtained a grade point average of 2.0 in all clinical subjects, a grade point average of 2.0 in all didactic subjects, and an overall grade point average of 2.0.

### Appeals

Students have the right to appeal their assigned grade in a given course as well as decisions regarding their failure of an academic year. Written policies describing the Faculty's appeal procedures are available through class officers as well as the Dean's Office.

## Provincial Regulation

Students are reminded that the degree in Dentistry is not the only requirement for admission to practice in any province. The regulations for admission to practice are established by the licensing board of the province in which the person desires to practice. Information on these requirements may be obtained from the respective Dental Registrars whose names and addresses may be obtained from the Office of the Dean.

The National Dental Examining Board of Canada incorporated under Federal Statute offers an examining facility leading to a certificate which is recognized by the dental Licensing Boards in all ten provinces of Canada. Holders of the certificate may be licensed to practice in all provinces, sometimes after meeting additional provincial requirements. For further information inquiries should be addressed to: Registrar, National Dental Examining Board of Canada, Suite 103, 100 Bronson Ave., Ottawa K1R 6G8.

The program of dental education in the Faculty has received approval of the Canadian Dental Association and the Council on Dental Education of the American Dental Association. The Dalhousie Doctor of Dental Surgery Degree is, therefore, an accepted educational qualification for obtaining a certificate from the National Dental Examining Board of Canada, the National Board of Dental Examiners of U.S.A., and the Boards of many of the states of the United States.

Graduates in Dentistry from Dalhousie University may be licensed in Nova Scotia by the Provincial Dental Board without further examination.

## Instruments, Equipment and Books

Larger items of equipment and some clinical instruments are provided on loan by the University. All other instruments and material for practical instruction must be procured by the students. Normally, the Faculty obtains these for the students to ensure delivery in time for the start of the academic year. This practise, however, does not prohibit students from purchasing their instruments and material from any source or sources they wish provided that:

(a) the instruments are in a new condition and of the particular type and manufacture prescribed by Faculty

(b) the instruments and material are available in time for the start of the academic year

(c) advice is received by the Office of the Dean not later than 28 February from any student who intends to purchase instruments and material privately for the ensuing academic year. This deadline is essential as experience has shown that Faculty must place orders not later than 1 March to ensure the likelihood of delivery in time for the start of the academic year.

The textbooks prescribed for the various courses are arranged in the same manner as instruments and material.

The following estimate of the cost of instruments and books for each year is subject to change without notice, but it can assist the students in estimating their expenses.

	Instruments Purchase	Instrument User Fee	Textbooks
Year I	\$1,968.00	\$500.00	\$834.00
Year II	\$2,031.00	\$500.00	\$1,122.00
Year III	\$45.00	\$500.00	\$502.00
Year IV	\$0.00	\$500.00	\$120.45

## Academic Program

The course for the degree of Doctor of Dental Surgery extends over four years.

*It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc., contained in this calendar are intended for the current year only, and that the University does not hold itself bound to adhere absolutely to the curriculum and conditions laid down.*

The course is as follows:

### First Year

Gross Anatomy, Microanatomy, Neuroanatomy, Biochemistry, Pathology, Physiology, First Aid, Oral Biology, Dental Anatomy & Occlusion, Dental Biomaterials Science, Operative Dentistry, Communications, Orthodontics, Introductory Periodontics.

### Second year

Microbiology, Pharmacology, Immunology, Systemic Pathology, Oral Diagnosis, Radiology, Oral Surgery, Removable Prosthodontics, Periodontics, Endodontics, Orthodontics, Communications, Fixed Partial Prosthodontics, Occlusion, Preventive Dentistry, Pediatric Dentistry, Dental Biomaterials Science, Introduction to General Dentistry, Community Awareness Program, CPR.

### Third Year

Clinical Practice, Oral Pathology, Oral Medicine, Radiology, Oral Surgery & Anaesthesia, Removable Prosthodontics, Operative Dentistry, Fixed Partial Prosthodontics, Periodontics, Endodontics, Orthodontics, Pediatric Dentistry, Community Awareness Program, Ethics, Practice Management — Basic, Dental Public Health, Patient Management Seminar, Table Clinics.

## Fourth Year

Clinical Practice, Total Patient Care, Seminars in: Oral Medicine, Oral Surgery, (Patient Health Assessment), Restorative, Removable Prosthodontics, Periodontics, Endodontics, Orthodontics, Pediatric Dentistry, Dental Oncology, Jurisprudence, Patient Management Seminar, Practice Management — Advanced, General Dentistry, Community Awareness Program, Electives, CPR.

## Classes of Instruction

Anatomy, Biochemistry, Immunology, Microbiology, Pathology, Pharmacology, and Physiology are offered by the Faculty of Medicine.

## Department of Anatomy

Head of Department: D.G. Gwyn.

Instruction by the staff, Department of Anatomy, Faculty of Medicine.

**Gross Anatomy — D1001R:** A two-term course for first-year Dental students which provides an introduction to human anatomy in the clinical context and detailed study of the Anatomy of the head, neck and oral cavity. *Texts: Morphology of the Living* by Stan R. Blecher. *Moore's Clinically Oriented Anatomy. Grant's Atlas of Anatomy* or *McMinn and Hutchings' Head and Neck Anatomy. Cunningham's Manual of Practical Anatomy.*

**Neurological Sciences (Neuroanatomy) — D1003B:** The anatomical component of this class provides the student with an introduction to the organization of the human nervous system. The course is taught concurrently with Neurophysiology. *Prescribed Texts: Barr and Kiernan, or Noback and Dermarest, The Human Nervous System, latest ed.; prescribed laboratory manual: DeArmond, et al, Structure of the Human Brain, latest ed.*

**Microanatomy — D1002R:** The class for first-year Dental students consists of one lecture and a two-hour laboratory per week. This section covers the microscopic structure of the tissues and organs of the human body, stressing the relationship of structure and function. *Prescribed Texts: Cormack Introduction to Histology; Di Fiore, Atlas of Human Histology; Reference Text: Fawcett, A Text Book of Histology.*

## Department of Biochemistry

Head of Department: R.W. Chambers.

Instruction by the staff, Department of Biochemistry, Faculty of Medicine.

**Biochemistry for Dental Students — D1004A:** This class occupies approximately 75 hours, and consists mainly of lectures. It is given in the first term of the first year and serves two general purposes. 1. It provides an introduction to general biochemistry, which should enable students to read and understand current reports of biochemical research related to Dentistry and allied subjects; 2. It provides detailed instruction in a few specialized areas of particular interest to students of Dentistry. General topics include the structure, function, and biosynthesis of proteins; enzyme action; energy production by cells; and control of metabolism. Specialized topics include nutrition, saliva, calcium and phosphate metabolism, and collagen chemistry and biosynthesis. This class is intended for students of Dentistry. Others may take it only with special permission of the Department of Biochemistry.

## Department of Microbiology

Acting Head of Department: K.B. Easterbrook

Instruction by the staff, Department of Microbiology, Faculty of Medicine and Faculty of Dentistry.

**Immunology — D2002A:** Immunology deals with the structure and synthesis of antibodies and mechanisms of antibody and cellular immunity to infections. Also discussed are transplantation, tolerance, hypersensitivity, the complement system and tumor immunology. *Reference Book: Bellanti, Immunology III.*

**Microbiology — D2001A:** This class which commences in the first term of second year covers the general principles of medical bacteriology, virology, mycology and parasitology. Students are instructed in Medical Microbiology in the first trimester. In the second trimester they participate in Oral Microbiology as a separate course. The lectures deal with the physiology of bacteria, a systematic study of the pathogenic bacteria, viruses and rickettsiae, structure and use of antibiotics and the natural history of infectious organisms, Oral Microbiology, Microbial history of infectious organisms, Oral Microbiology, Microbial disease with oral manifestation. Laboratory periods are designed to familiarize the student with the microscopic cultural and biochemical characteristics of bacteria, sterilization, disinfection and antibiotics. *Reference Books: Sherris, Medical Microbiology and Introduction to Infectious Diseases; Jawetz et al, Review of Medical Microbiology; William A. Nolte, Oral Microbiology; Burnett and Scherp, Oral Microbiology & Infectious Disease.*

## Department of Pathology

Head of Department: M.A. MacAulay.

Instruction by the staff, Department of Pathology, Faculty of Medicine.

**General Pathology — D1005B:** This is a class of 55 hours and is taken with first-year medical students. It deals with the selective and coordinated responses of cells, tissues and organs to injury stimuli, with particular emphasis on the role of such responses in the pathogenesis of diseases. The subject areas covered by this program are cell injury, the inflammatory response, healing and repair, neoplasia, and some aspects of pathology of trauma, environment, aging. Most of the instruction is by lectures. Learning resources, including slide-tape programs, are made available. There are 4 laboratory sessions which deal with selected structural changes in injured cells and tissues. *Texts: The class starts in January of each year and the Department will advise students of the texts which are available in the Kellogg Library for use.*

## Department of Pharmacology

Head of Department: P.E. Dresel

Instruction by the staff, Department of Pharmacology, Faculty of Medicine.

**Pharmacology — D2003R:** This second-year class is a separate course for Dental students taken during both semesters and consisting of 45 hours of lectures. It emphasizes the basic principles of drug action with special attention given to groups of drugs used commonly in dental practice (local and general anaesthetics, analgesics, tranquilizers) and on drugs whose presence in the body may affect dental procedures. *Text: Katzung, Basic and Clinical Pharmacology. Reference Book: American Dental Association, Accepted Dental Therapeutics.*

## Department of Physiology and Biophysics

Head of Department: K.B. Ruf

Instruction is given by the staff, Department of Physiology and Biophysics, Faculty of Medicine

**Physiology (Biol. 4403) — D1006R:** A survey course in human physiology for first-year Dental students which is structured around the various body systems. It consists of three lectures per week and occasional tutorial sessions and laboratory demonstrations. Descriptions encompass all levels of organization, from subcellular structures to integrative functions of complex organisms and interactions with the environment. The first semester concentrates on membrane physiology, the cardiovascular system, kidney function and respiration. The central nervous system, digestion, endocrinology and metabolism are topics taught in the second semester. *Text:* A.C. Guyton, *Textbook of Medical Physiology*, 7th edition. Saunders, 1986.

## Department of Oral Biology

Chairman of the Department: M.M. Cohen Jr.

**First Year General Studies — D1101R:** This first year course deals with various topics including: (1) Introduction to Human Embryology; (2) Craniofacial Embryology; (3) Principles of Dysmorphology; (4) Craniofacial Dysmorphology; (5) Perspectives on the Face; (6) Oral Histology, Embryology, and Correlative Pathology; (7) Basic Science of Oral Biology; (8) Perspectives in Growth and Development; (9) Human Genetics and Dentistry; and (10) Perspectives in Public Health. *Texts:* Cohen, M.M., Jr., *First Year General Studies*; Hansell, M.M., *Embryology*.

**Systemic Pathology — D2101R:** This is an eighty hour course presented in the first and second terms to the second year dental students by Oral Pathology, Faculty of Dentistry, and Department of Pathology, Faculty of Medicine. Basic disease processes are emphasized and the ways in which these affect the organ systems are studied. This course provides a foundation for assessing the patient's health, and for arriving at a diagnosis. *Texts:* Robbins, S.L., Angell and M., Kumar, V., *Basic Pathology*, Third edition, Saunders, 1981.

**Oral Pathology — D3101A:** The objective of this course is to provide the pathologic basis for a rational approach to diagnosis and treatment of oral diseases. Extensive lecture notes are provided prior to each lecture. *Required texts:* Shafer, W.G., et al: *A Textbook of Oral Pathology*, Fourth edition, W.B. Saunders, Col, Toronto, 1983. Eversole, L.R.: *Clinical Outline of Oral Pathology: Diagnosis and Treatment*. Second edition, Lea and Febiger, Philadelphia, 1984.

**Oral Medicine — D3201B:** This course is given jointly by Oral Pathology and Oral Diagnosis. It consists of lectures and seminars given in the second term of third year. The objectives are: (1) to emphasize the diagnostic process in oral disease by means of clinical differential diagnosis, laboratory aids and histopathologic correlation; (2) to provide the student with further experience in recognizing the clinical signs and symptoms of oral diseases; (3) to prepare the student for participation in Clinical Pathological Conferences during the last year. *Texts:* Mitchell, Standish, and Fast, *Oral Diagnosis/Oral Medicine*. *Reference Books:* Burket, L.W., *Oral Medicine* (6th ed.), Wood, N.K., and Goaz, P.W., *Differential Diagnosis of Oral Lesions*.

**Oral Medicine — D4201B:** This course is also given jointly by Oral Pathology and Oral Diagnosis. It consists of rotation through the Mouth Clinic in both terms and a one hour weekly seminar in the second term. It is designed to integrate the knowledge acquired in previous courses and to apply it in the management of individual patients and cases presented in Clinical Pathologic Conferences. *Text:* Eversole, R.R., *Clinical Outline of Oral Pathology: Diagnosis and Treatment*. *Journals:* *Oral Surgery*, *Oral Medicine and Oral Pathology*, *Journal of Oral Surgery*, *British Journal of Oral Surgery*, and *Journal of Oral Pathology*.

## Department of Oral Diagnosis and Oral Surgery

Chairman of Department: D.S. Precious

### Division of Oral Diagnosis

Division Head: A.K. ElGeneidy, Acting Head

**Oral Diagnosis and Treatment Planning — D2203B:** A course of lectures, demonstrations and clinical exercises. Students are taught the principles and methods of diagnosis, prognosis, and treatment planning. Some of the lecture topics are co-ordinated with Clinical Preventive Dentistry and presented in two other courses; D2350R and Radiology D2201R. The examination in this course is given at the conclusion of second year. *Text:* Mitchell, Standish and Fast, *Oral Diagnosis/Oral Medicine*. Barsh, L.I., *Dental Treatment Planning*.

**Clinical Oral Diagnosis and Treatment Planning — D3202R:** Third year students gain practical experience rotating through the Oral Diagnosis clinic during the year. Students do a complete diagnostic work-up (history taking, radiographs, charting and treatment planning) on assigned patients. Students are given exercises in radiographic interpretation and recognition of technical and processing errors. *Reference Books:* Wood, N.K., *Treatment Planning — A Pragmatic Approach*; Halstead, Blozis, Drinnan, Gier, *Physical Evaluation of the Dental Patient*; Scopp, I.W., *Oral Medicine*; Bell, *Orofacial Pain*.

**Clinical Oral Diagnosis/Radiology and Treatment Planning — D4202R:** The fourth year student continues to do complete diagnostic work-ups. Students develop skills in the delegation and supervision of auxilliary personnel in radiography. A series of radiology seminars on radiation hazards protection and radiographic interpretation are also given. *Reference Books:* Wood, N.K., *Treatment Planning — A Pragmatic Approach*; Halstead, Blozis, Drinnan, Gier, *Physical Evaluation of the Dental Patient*; Scopp, I.W., *Oral Medicine*; Bell, *Orofacial Pain*.

**Radiology — D2201R:** A series of lectures, laboratory exercises and clinical training covering the technical aspects of radiology, the hazards and safety of radiation and normal radiographic anatomy of intraoral radiographs. *Text:* Goaz and White, *Oral Radiology Principles and Interpretation*. *Reference Books:* Langland, O.E.; Sippy, F.H.; and Langlais, R.P., *Textbook of Dental Radiology*, second edition.

**Radiology 3rd Year — D3205A:** Third year students receive a series of lectures on differential radiographic interpretation and extra-oral radiographic techniques. The clinic training in radiographic technique and interpretation is included in D3202R. *Text:* Langlais, R.P., and Kasle, M.J.: *Exercises in Oral Radiographic Interpretation*. *Reference Books:* Goaz, P.W. and White, S.C., *Oral Radiology Principles and Interpretation*.

### Division of Oral and Maxillofacial Surgery

Division Head: D.S. Precious.

**Oral Surgery — D2202A:** A lecture/demonstration class of one lecture a week in the first term of second year. The classes and demonstrations cover the topics of all aspects of local anaesthesia. Final examination takes place upon completion of the course. *Text:* Malamed, *Handbook of Local Anaesthesia*.

**Oral Surgery — D3203R:** A lecture class of two lectures a week throughout third year. The lectures cover the topics of Clinical Therapeutics, Oral Surgery and orientation to General Anaesthesia.

Examination takes place on completion of each component. *Texts:* Waite, *Textbook of Practical Oral Surgery*; Monheim, *General Anesthesia in Dental Practice*. *Reference Book:* Dingman and Natvig, *Surgery of Facial Fractures*.

**Clinical Oral Surgery — D3204B:** The undergraduate develops clinical skills by clinical oral surgery practice under supervision in the Oral Surgery Clinic in the Dental Building.

**Oral Surgery — D4203R:** This class throughout the fourth year consists of: 1. Patient health assessment. The first term is devoted to lectures by physicians and is designed to give the student a broad understanding of the problems and procedures involved in the practice of medicine and to prepare for intelligent cooperation with physicians and other health workers. The class also prepares the student to render a better health care service by recognizing the signs and symptoms of general diseases which require the services of a physician. This series of lectures is followed in the second term by seminars devoted to clinical management of patients with specific disease processes. 2. Surgical conferences are held weekly during the second term. These conferences permit the review of management of a broad range of current surgical procedures for which students have played a part in treatment. Students must present patient management at these conferences.

A comprehensive examination is held at the end of the year covering Patient Health Assessment, management of the hospitalized patient and principles involved in specific surgical problems. *Reference Book:* Collins and Crane, *Internal Medicine in Dental Practice*.

**Clinical Oral Surgery — D4204R:** (1) The undergraduate develops clinical skills by practising clinical oral surgery under supervision in the Oral Surgery Clinic in the Dental Building. This takes place during the first term of fourth year. (2) On a rotational basis, minor and major oral and maxillofacial surgery is demonstrated in the following affiliated hospitals: Victoria General Hospital, Izaak Walton Killam Hospital for Children, and the Canadian Forces Hospital. During the rotation an orientation to admission procedures, operating room protocol and support management of hospitalized patients is provided.

## Department of Restorative Dentistry

Chairman of Department: D.V. Chaytor.

### Division of Operative Dentistry

Division Head: R.A. Bannerman.

**Dental Anatomy and Occlusion — D1301R:** This class consists of lecture and laboratory periods in the first year. It covers the macroscopic or gross anatomy of the individual teeth; their anatomy on cross section; a study of physiologic tooth form, the alignment of the teeth in the jaws, and an introduction to the study of the occlusion of the teeth in the various jaw relations. Lectures are supplemented by laboratory periods in tooth and Functional Wax-up Techniques. *Texts:* Kraus, Jordan & Abrams, *Dental Anatomy and Occlusion*; Linek, *Tooth Carving Manual*. *Reference Book:* Wheeler, *Dental Anatomy, Physiology and Occlusion* (5th ed.).

**Endodontics — D2305B:** A series of lectures once a week in the second term of second year in conjunction with demonstrations and laboratory periods dealing with the diseases and therapy of pulp tissues and adjacent structures. *Texts:* Cohen & Burns, *Pathways of the Pulp*; Serence et al, *Principles of Pre-Clinical Endodontics*. *Reference Books:* Serence et al, *Principles of Pre-Clinical Endodontics*; Bender and Seltzer, *The Dental Pulp*.

**Endodontics — D3310A:** A continuation of Endodontics D2306B consisting of one lecture a week in the first term of third year. More advanced aspects of Endodontics are discussed with emphasis on the clinical management of endodontically involved teeth. *Text:* Cohen & Burns, *Pathways of the Pulp*.

**Endodontics — D4309B:** A weekly seminar is devoted to Endodontics in the second term of fourth year.

**Clinical Endodontics — D3309R and D4306R:** Students are required to give treatment to a minimum number of patients in the third year of the dental course and to continue to treat endodontic cases during the fourth year.

**Operative Dentistry — D1303R:** These classes consist of lectures and laboratory periods commencing the first year. The student is introduced to diseases of the teeth, their cause and prevention, as well as the fundamental methods of restoring lost tooth structure. Instruction is also given in the restoration of teeth with full or partial veneer crowns of metal, porcelain or plastic either separately or in combination. Clinical practice commences in second year. *Texts:* Gilmore, Lund, Boles and Bernette, *Operative Dentistry* (3rd ed.); Baum, Phillips and Lund, *Textbook of Operative Dentistry* (1st ed.).

**Operative Dentistry — D3303A:** During the first term of third year a lecture course in Operative Dentistry is conducted which emphasizes the clinical applications of the fundamental principles outlined in the previous years and introduces several concepts not previously presented.

**Clinical Operative Dentistry — D3304R and D4301R:** These two classes, conducted throughout the academic year during third and fourth year, enable the student to develop skills in rendering operative dental treatment to patients. During the third year, emphasis is on each student gaining technical experience in many different restorative procedures while in fourth year, the focus is on the student's ability to manage operative situations.

**Fixed Partial Prosthodontics — D2303R:** This class consists of weekly lecture-laboratory periods throughout second year. The content consists of the fundamental principles and techniques for the construction of fixed prostheses for replacing missing natural teeth. Instruction is also given in diagnosis and design of fixed partial dentures as well as in the associated areas of dealing with commercial dental laboratories, trouble shooting and clinical management of fixed restorative treatment. *Text:* Shillingburg, Hobo and Whitsett, *Fundamentals of Fixed Prosthodontics*.

**Clinical Fixed Partial Prosthodontics — D3306B and D4307R:** Throughout the third and fourth years of dental studies, students are provided with practical experience in the management of patients requiring full or partial crown restorations and simple types of fixed prostheses. Often the fixed restorative treatment is integrated with treatment by other disciplines.

**Fixed Partial Prosthodontics — D3305A:** This class, given during the first term of third year, is a continuation of F.P.D. D2303R and is designed to provide instruction in the clinical and biological aspects of fixed partial denture design and placement. As well, it addresses the crown and bridge associated topics of commercial dental laboratories and trouble-shooting. *Text:* Shillingburg, Hobo and Whitsett, *Fundamentals of Fixed Prosthodontics* (2nd ed.).

**Restorative Dentistry Seminar — D4308R:** Taking a problem-oriented

approach, this seminar program is intended to cover some of the more important aspects of the clinical management of restorative dental problems drawing upon the student's previous background in restorative dentistry clinic experience including patient management and the literature on these subjects.

### Division of Dental Biomaterials Science

Division Head: D.W. Jones.

**Dental Biomaterials Science — D1302R, D2306A:** Approximately 105 hours of lecture, demonstration and laboratory instruction are given in the first and second years. The course aims to provide the graduating dentist with a firm foundation for understanding the properties and behaviour of materials used in Dentistry and their interaction with the oral environment. This background should enable materials to be selected and used to the best advantage. The first part of the program concentrates upon the relationship between structure and properties of materials. The student with this fundamental background will thus be able to cope with the understanding of any new materials which may be developed in future years. It provides a scientific basis for the discriminating selection of materials for future dental practice. In addition the program is intended to provide the dental student with information needed to interpret the laboratory and clinical behaviour of dental materials and to understand the technical procedures used in their manipulation. In addition to the program given in the first and second years, a number of lectures are integrated into the 3rd year of the clinical program in order to emphasize the connection between fundamental properties and clinical applications of materials. In Fourth Year some 30 hours of seminars are conducted jointly with other divisions covering the clinical applications of dental materials. *Text:* Phillips, *Science of Dental Materials* (8th ed.). *Reference Books:* Craig, *Restorative Dental Materials* (6th ed.); Greener et al, *Materials Science in Dentistry*; Anderson, *Applied Dental Materials* (5th ed.).

### Division of General Dentistry

Division Head: W.A. McInnis

**Introduction to General Dentistry — D2307R:** This full year course in second year is designed to introduce the student to comprehensive clinical dentistry. The didactic classes followed by clinical sessions reinforce and integrate the various disciplines in preparation for patient treatment.

**General Dentistry, Didactic — D4312R, Clinical — D4313R:** An evolving clinical and seminar course whose objective is to modify the educational process to emphasize a faculty commitment to comprehensive integrated therapy and in so doing inculcate in the student an appreciation and commitment to comprehensive, integrated patient care.

### Division of Removable Prosthodontics

Division Head: R.E. Hoar

**Removable Prosthodontics — D2301R:** A series of lectures, seminars, demonstrations, laboratory and clinical experiences dealing with the fundamental principles and techniques of treating the partially edentulous and totally edentulous patient, by using Removable Prosthodontics. *Text:* Hickey, Zarb & Bolender, *Boucher's Prosthodontic Treatment for Edentulous Patients* (9th ed.); Stewart, Rudd, Kuebker, *Clinical Removable Partial Prosthodontics* (1st ed.).

**Removable Prosthodontics — D3301R:** A lecture seminar series conducted once each week aimed at augmenting and developing more

extensively the principles, and concepts, of Removable Prosthodontic treatment. *Text:* *Journal of Prosthetic Dentistry*.

**Removable Prosthodontics — D4302R:** This is a weekly lecture seminar series aimed at clarifying areas of concern, exploring areas of controversy and correlating clinical experience in Removable Prosthodontics. Offered in part with other Divisions. *Text:* *Journal of Prosthetic Dentistry*.

**Clinical Removable Prosthodontics — D3302R and D4303R:** Practical experience in the treatment of patients requiring removable prosthodontics for the replacement of missing teeth and contiguous tissues.

**Dental Oncology — D4311A:** A lecture series conducted once each week during the first term, aimed at familiarizing the students with the dental health care needs of the cancer patient.

### Division of Periodontics

Division Head: C.A. Bain.

**Introduction to Periodontics — D1304B:** One lecture a week for the last 10 weeks of first year as an introduction to the understanding of periodontal health and disease. *Text:* Lindhe, *Textbook of Clinical Periodontology*.

**Periodontics — D2304R:** One lecture a week is given throughout the second year on the nature and clinical features of periodontal disease. The clinical management of periodontal disease is introduced.

**Periodontics — D3307R:** One lecture a week is given throughout the third year. The class emphasizes the clinical management of patients with periodontal disease. *Text:* Goldman, *Atlas of Surgical Management of Periodontal Disease*. *Reference Books:* Orban's, *Periodontics*; Goldman, *Periodontal Therapy*; Prichard, *Advanced Periodontal Disease*, Glickman's *Clinical Periodontology*.

**Periodontics — D4304A:** This class of one hour per week in the first term of the final year is a seminar program stressing topics of a practical clinical nature.

**Clinical Periodontics — D3308R and D4305R:** Practical experience in the treatment of patients requiring periodontal care in the second, third and fourth years.

## Department of Pediatric and Community Dentistry

Chairman of Department: W.B. Barro

### Division of Orthodontics

Division Head: W.B. Barro.

**Preclinical Orthodontics:** Orthodontics together with the related subject Pediatric Dentistry covers the field of management of the dental problems of the child patient.

**Orthodontics — D1402B:** A series of lectures introduced in the second trimester of first year, designed to acquaint the student with the general principles of growth and development of the dento-facial complex. Particular emphasis is placed on the normal development of occlusion. *Text:* Moyers, *Handbook of Orthodontics* (3rd ed.), 1973.

**Orthodontics — D2401R:** These lectures continue throughout the



students' second dental year. Whereas the first series of lectures attempted to define *normal* growth and development of the cranio-facial morphology, these lectures illustrate factors dealing with the development of *abnormal* growth and development. Thus the cause of skeletal and dental malformation, and the classification of the types of skeletal, dental and functional malformations are discussed. An attempt is made to relate the varying degrees of abnormal facial and occlusal development to the norm. Orthodontic laboratory techniques are taught in a three-hour session per week of the first term of second year. Through lectures, demonstrations and practical work the basic principles governing the design and construction of removable and fixed appliances are introduced. Emphasis is placed on the prevention of malocclusion and the control of tooth movement. Preclinical demonstrations of orthodontic techniques are introduced in the second term of second year. This series of demonstrations and workshop activities is intended to bridge the gap between theory and clinical orthodontic practice. A series of orthodontic treatment lectures is given in the second term of second year. These are intended to deal with the theoretical and practical problems of applying the principles of removable and fixed appliances to the various general and specific orthodontic problems found in the third and fourth year clinical practice. *Texts: Moyers, Handbook of Orthodontics (3rd ed.), Sims, Minor Tooth Movement in Children, 1972.*

**Clinical Orthodontics — D3401R:** The third year students are introduced to clinical orthodontics for a two hour period throughout the year and apply the principles taught in first and second year to treat their patients. The students rotate through this clinic to observe and discuss the diagnosis and treatment of all patients undergoing treatment. The latter part of the second term is devoted to the continuation of treatment for their patient as well as the treatment of patients transferred from the fourth year student.

**Orthodontics — D3402B:** A series of lectures in 3rd year introducing the student to the principles of orthodontic differential diagnosis and treatment.

**Orthodontics — D4401B and D4403R:** Clinical orthodontic practice continues through the whole of the final year of the dental course. Seminars are conducted throughout the year on the basis of reviewing the whole orthodontic course and placing this knowledge in the perspective of the overall dental treatment requirements of the patient.

### Division of Pediatric Dentistry

Division Head: D.S. Richardson

**Pediatric Dentistry — D2403B:** A series of pre-clinical laboratory sessions shared with orthodontics which are designed to give the student practical experience in designing and constructing space maintainers. *Handbook and Lab Manual—Division of Pediatric Dentistry*

**Pediatric Dentistry — D2405B:** A series of weekly lectures in second term of second year dealing with fundamental didactic principles of theory and practice of Dentistry for Children, and patients with special needs. *Text: Braham and Morris, Textbook of Pediatric Dentistry.*

**Pediatric Dentistry — D3407A:** A series of lectures in the third dental year which deals with advanced theory and clinical procedures in the practice of Dentistry for Children. A term paper is required. *Text: Braham and Morris, Textbook of Pediatric Dentistry.*

**Pediatric Dentistry — D4406A:** A seminar program designed to cover selected topic areas in children's Dentistry. The topics are discussed in

detail and serve as a review of information presented in second and third year. An opportunity is provided for students to relate their clinical experiences to their didactic knowledge on Dentistry for Children.

**Clinical Pediatric Dentistry — D3404R:** Clinical experience in Dentistry for Children is gained in the Faculty clinic. The first term is devoted to a self-paced typodont exercise module done in the clinic. The student is assigned children and adolescent patients upon successful completion of the module. An initial examination or recall examination is done for each patient and a treatment plan is drawn up. All required treatment is done by the student within the assigned clinic.

**Clinical Pediatric Dentistry — D4404R:** The senior dental students obtain clinical experience in diagnosis and dental treatment of children and adolescent patients within the Faculty clinic, mobile clinic and on a rotation within the Dental Department at The Izaak Walton Killam Hospital for Children. An attempt is made by the Division to assign a variety of children and adolescents so that the senior student may gain experience in examination and treatment of normal patients, special needs patients, medically compromised patients and patients with facial growth and development problems. *Handbook — Division of Pediatric Dentistry.*

### Division of Community Dentistry

Division Head: G. Jackson

**Communications — D1401B:** The two semester sequence of communication classes focuses on macro and micro-orientations to basic communication problems. The first of the two classes focuses upon two general topics, the profession of dentistry and the scientific method. Examples of topics discussed in lecture include a history of dentistry, dentistry on the international, national, provincial, and local levels, and the scientific approach to the acquisition of knowledge. *Required Textbook: Young & Striffler, The Dentist, His Practice, and His Community.*

**Communications — D2402A:** This series of lectures focuses upon the dentist-patient relationship and specific communication problems inherent to it. Topics discussed in lecture include basic communication skills, management of anxiety, and patient motivation. *Required Textbook: Ingersoll, Behavioural Aspects in Dentistry.*

**Community Awareness Program — D2406R, D3408R:** During the final three years students will have to select four (4) extramural activities from a wide variety of field experiences each of which is designed to prepare them for their role as a dental health care professional and as a leader in lay communities. All extramural activities will be co-ordinated through Community Dentistry and three of the four activities will have to be completed by the end of the third year.

**Preventive Dentistry — D2404R:** Preventive Dentistry is a two semester sequence of lectures discussing problems and theories in the field of preventive dentistry. Topics discussed include a broad overview of the problems of dental disease, use of fluorides in preventive dentistry, control of plaque, oral hygiene instruction, and diet and nutrition.

**Dental Public Health — D3403B:** Dental Public Health is presented as a series of lectures and seminars discussing current issues in dental public health. Students are encouraged to further their understanding of a specific issue by researching and reporting a topic of their choice.

**Ethics — D3406A:** Dental Ethics is presented in a series of lectures and seminars on the theory and important principles of ethics. Topics

discussed include respect for autonomy, paternalism, utilitarianism, and models of health and disease.

**Jurisprudence — D4402B:** Jurisprudence is presented in a series of lectures which discuss such topics as principles of law, dental malpractice, standards of care and negligence, consent to treatment, patient records, licensure and discipline, and malpractice insurance.

**Practice Management (Basic) — D3405B:** Dental Practice Management is presented as a two semester sequence of lectures. Topics discussed in the first semester include an overview of the management process, how to get a small business started, financial considerations, selection of equipment and supplies, and marketing.

**Practice Management (Advanced) — D4405A:** The second series of lectures in this two semester sequence continues a discussion of topics essential to an understanding of practice management. Topics discussed include personnel, office systems and processes, developing and evaluating other sources of expertise, and planning for the future. A summary of the two semester sequence is presented.

### Interdisciplinary Courses

**Occlusion II — D2302B:** A lecture course is presented by specialists in various dental fields to review the basic concepts of occlusion and the interrelationship between dental, skeletal, neuromuscular form and function.

**Patient Management Seminar — D4310R, D3311R:** A series of monthly seminars which focus on clinical patient care activities of third and fourth year dental students as well as second year dental hygiene students. Management of patients and chart audits provide a focus for assessing the management capabilities of students.

**Geriatric Dental Care:** This is a series of lectures concerning relevant topics which are integrated and sequenced into the appropriate scientific and clinical courses currently offered in the four year dental program. The goal of the sequence is to develop within the student a true understanding of the aging process, physiologically and psychosocially, as well as the clinical skills and treatment procedures they must possess in order to provide dental care to this growing segment of the population.

**Clinical Practice:** During the third and fourth years of the course, a large portion of the student's time is devoted to clinical practice. The conditions of a private practice of dentistry are simulated as closely as possible, including the effective use of auxiliary personnel. Students are encouraged to carry out complete treatment for each patient. Before graduation, students are required to demonstrate a satisfactory proficiency in all phases of general dental practice.

During the clinical years emphasis is placed upon the demonstration and seminar method of teaching. Senior students, on a rotation basis, are required as part of their clinical training to deal with emergency calls, under supervision, in order that after-hour professional responsibility may become an integral part of their clinical practice.

In addition to the experience gained in the dental clinic, a program is arranged for extra-mural training and experience in affiliated hospitals.

**Table Clinic D3601B:** Students in their third year will prepare and present a table clinic on a topic of interest in research or clinical practice. The presentation is graded on a pass/fail basis. All presentations are judged in a public presentation for prizes. The winner is supported for travel to the National Convention of the Canadian Dental Association for the annual presentation of table clinics by representative students from all Canadian Faculties of Dentistry.

**Elective Program — D1502R, D2504R, D3505R, D4507R:** This program is offered in all years. It is designed to allow students to pursue, in depth, dentally related and to a lesser extent other topics of their particular interest that are not covered in other scheduled courses.

## Graduate Studies in Oral and Maxillofacial Surgery

The division of Oral and Maxillofacial Surgery offers a four-year graduate program leading to the degree of Master of Science. Graduates of this program are eligible for examination by the Royal College of Dentists (Canada). Details covering the program are contained in the Calendar of the Faculty of Graduate Studies.

**Graduate Biomaterials Course Part I and Part II — D5301R (Dalhousie) BME 6350 (Technical University of Nova Scotia):** This is a full credit course (6 credit hours) of combined lecture, seminar and reading assignments at the PhD, MSc level. The course provides an applied and working understanding of the fundamental nature and behaviour of selected biomaterials used as artificial substitutes for natural tissues. The course will cover various aspects of materials science and biocompatibility of materials used in, on and about the body. Consideration will be given to evaluation of the effects of the body on materials as well as the effect of materials on the body tissues. Part I of the course (3 credit hours) will cover fundamental principles, whilst Part II will cover the material in greater depth using specific examples.

## Post-Graduate Program in Periodontics

**Department of Restorative Dentistry**  
Chairman of Department: D.V. Chaytor.

**Division of Periodontics**  
Division Head: C.A. Bain.

**Program Director**  
D.G. Pentz.

**Faculty**  
Members of the Faculty of Dentistry  
Members of the Faculty of Medicine  
Members of the Faculty of Arts and Science

The post-graduate program in Periodontics is of two years duration. It is structured to provide students with the clinical and didactic experience which is necessary for the practice and teaching of Periodontics. On successful completion of the program, candidates are awarded a Certificate and are eligible for examination by the Royal College of Dentists of Canada.

### Admission Requirements

To be eligible for admission, candidates must hold a DDS or DMD degree from a dental school recognized as accredited by the Council of Education of the Canadian Dental Association, or its equivalent. Criteria used in selection include past academic performance and professional experience. In addition, letters of recommendation are required as well as a personal interview. The selection process is coordinated by the Advanced Education Committee working in conjunction with the Division of Periodontics.

The program begins annually in early September. Completed applications must be received by the preceding November 30th.

## Post-graduate Program Requirements

1. Satisfactory completion or credit for the prescribed courses.
2. Attainment of satisfactory clinical knowledge and skills in the field of Periodontics.
3. Satisfactory completion of a research study and its successful defence before a committee struck by the Program Director.

## Classes

### Year 1

Clinical Practice	D5009R
Clinical Seminars	D5001R
Biological Basis of Periodontics	D5004R
Periodontal Histopathology	D5006R
Developmental Biology	D5000R
Pharmacology	D5003R
Oral Pathology	D5008R
Biostatistics	D5001R
Anatomy and Radiology	D5002R
Orthodontics in Periodontal Practice	D5005R
Physical Diagnosis and Medicine	D5010R
Microbiology	D5007R
Research	D5012R

### Year 2

Clinical Practice	D6006R
Clinical Seminars	D6005R
Biological Basis of Periodontics	D6001R
Oral Pathology	D6003R
Human Behavior	D6002R
Ethics	D6004R
Elective	D6007R
Research	D6008R

## Tuition

Refer to Schedule of Fees for more information regarding academic and related fees.

## Instruments, Equipment and Books

Larger items of equipment are provided on loan by the University. All hand instruments, textbooks, and required photographic equipment must be provided by the student.

Shortly after acceptance into the post-graduate program, the student receives a detailed list of required instruments and photographic equipment.

Students should delay purchasing textbooks until they commence the program.

## Continuing Education

Coordinator (vacant).

The Faculty of Dentistry operates an office for Continuing Education which organizes short courses for dentists and dental hygienists and other auxiliaries. The principal objectives of these courses are the review of basic knowledge and the introduction of new information, concepts and practices. Regular members of the Faculty, local resource people and visiting clinicians are employed. While in the past most of these courses have been offered in Halifax an increasing number are being offered in other centers. Clinical half days and the provision of speakers are also arranged through this office. The content, location and scheduling of the various offerings are based on advice received from faculty, the committee for Continuing Education of the Faculty, and from an advisory panel consisting principally of representatives of dental and dental hygiene organizations in the Atlantic Provinces. The tuition fees charged are cost related and are set individually for each course.

Interested persons should address inquiries to: Continuing Education in Dentistry, Faculty of Dentistry, Dalhousie University, Halifax, Nova Scotia, B3H 3J5. Phone: (902) 424-2248 or 6507.



# School of Dental Hygiene

Faculty of Dentistry, Dalhousie University, Halifax, N.S. B3H 3J5

## Faculty 1986-87

### Professors

M.G.E. Forgay, Dip DH (Eastman), BA (Sask), BEd (Man.), MA (UBC),  
Professor and Director of School of Dental Hygiene

### Associate Professors

K.F. MacDonald, Dip DH (Forsyth), BS (Boston), MEd (Dal)

### Assistant Professors

G.M. Butt, Dip DH (Dal), BA (St. Mary's)  
P.M. Larder, Dip DH (Dal), BS in ED (Northeastern), MSc (Dal) — LOA  
until August 15, 1987

### Lecturers

E. Andrews, Dip DH (Dal), RDA (NSIT), BSc (Acadia)  
D. Chalmers, Dip DH (Dal), BSc (Dal)  
P. Grant, Dip DH (Dal), BA (St. Mary's)  
M.E. Kinnear, Dip DH (Dal)  
T. Mitchell, Dip DH (Dal), BSc (Dal)  
S. O'Connor, Assoc. Degree Dental Hygiene (Springfield), BSc (Dal) —  
Educational leave until July 1, 1987  
N. Prowse, Dip DH (Dal), BSc (Acadia)

### Instructors

T. Drake, Dip DH (Dal)                      D. Morash, Dip DH (Dal)  
C. Kincaid, Dip DH (Dal)                    G. Steeves, Dip DH (Dal)  
D. Ann MacDonald, Dip DH (Dal)

Dental Hygiene was first offered as a formal educational program in 1913 at the Fones Clinic in Bridgeport, Connecticut, USA. Since then the profession has grown steadily and there are now more than two hundred dental hygiene programs in North America. In recent years, the movement has spread to other countries as well. In 1961 a diploma course in dental hygiene was established in the Faculty of Dentistry, Dalhousie University.

Dental hygienists are health professionals educated to prevent dental disease and help people maintain oral health. Their activities in dental health promotion are both clinical and educational and take place in private dental offices, schools, clinics, hospitals and other settings in the community.

Most dental hygienists are employed in private dental offices. There are, however, other areas of practice such as local governments and schools, provincial and federal government departments, industry, hospitals and teaching in schools of dental hygiene.

Courses in the program in dental hygiene are offered within the Faculties of Arts and Science, Medicine and Dentistry. The School of Dental Hygiene is located on Carleton Campus at Dalhousie University.

University regulations applicable to the students of all Faculties are found in the general section of this Calendar.

## Provincial Regulations

Students are reminded that the Diploma in Dental Hygiene is not the

only requirement for admission to practice in any province. The regulations for admission to practice are established by the licensing board of the province in which the person desires to practice. Information on these requirements may be obtained from the respective licensing boards whose names and addresses may be obtained from the School of Dental Hygiene.

## Diploma

The two-year program leads to a Diploma in Dental Hygiene.

## Admission

Applicants must have completed Nova Scotia Grade XII (or its equivalent) with high standing in five academic subjects including Chemistry, Biology and English, (applicants whose native language is French may substitute classes in French for classes in English. However, instruction at Dalhousie is in English and the applicant must be proficient in English.)

The remaining two subjects may be chosen from Mathematics, Sciences, History and Languages. One of the two subjects, however, may be chosen from additional subjects not mentioned above, offered in high schools and approved through the Faculty of Arts and Science.

## Admission of Applicants from the U.S.A.

Further information can be obtained by writing to the Admissions Office at Dalhousie.

## Application Procedure

Persons who have satisfied the entrance requirements may apply for admission. Applications must be made on the regular application forms, and must be submitted to the Office of the Registrar by February 1st in order to be considered for admission in the following academic year. Applications must be complete to be considered by the Admissions Committee. However, applications filed by the deadline can be completed any time up to June 30th and will be considered when completed if unfilled places remain in the entering class. Preference will be given to residents of the Atlantic provinces, but applications by qualified students from other provinces or countries will be considered. Up to 10% of first year positions may be allocated to applicants from outside the Atlantic region.

A new application form must be submitted each year in which application is made. Official transcripts in support of the academic record must be forwarded by the institution or institutions at which the applicant completed pre-profession studies. If the applicant is still engaged in university studies, it would be advantageous to forward an interim transcript. However, a final transcript must be forwarded on completion of these credits.

To ensure physical and mental fitness, medical and dental certificates must be completed on behalf of each applicant on forms provided during the admissions process.

An application will not be considered if the applicant has been required to withdraw from studies at any other School of Dental Hygiene at the request of the Faculty of that institution, unless the application is supported by a recommendation from the Director of that School. In exceptional circumstances, certain of these regulations may be waived or modified by the Faculty Admissions Committee.

Applicants may be requested to make themselves available for an interview or orientation program.

## Academic Year

The academic year for the first year in Dental Hygiene begins in early September and continues until the latter part of May. The academic year for the second year in Dental Hygiene begins early September and continues until the latter part of April. Classes begin immediately after

the regular registration date. Late registration will be permitted only under exceptional circumstances and with the approval of the Dean.

### Class Work and Promotion

Students must prepare such exercises, reports, etc., as may be prescribed, and in classes involving laboratory or practical work they must complete such work satisfactorily before any credit for that class can be given.

A student will not be permitted to enter the class of any year until she has passed in all subjects of the previous year.

### Examinations

In order to qualify for admission to examinations, candidates must attend the prescribed classes of the curriculum regularly and punctually. Under ordinary circumstances, candidates will not be considered qualified for admission to examinations if absences have exceeded 10% of the prescribed class hours.

### Course Grades

Upon completion of a course a student is awarded a grade of A+, A, A-, B+, B, B-, C, D, FM, or F. In this system A+ is the highest passing grade and D is the lowest passing grade; FM is a failing grade that allows an otherwise qualified candidate to take a supplemental evaluation; F is a failing grade disqualifying the student from further evaluation without repeating the course.

The faculty concerned is responsible for defining the requirements for each grade.

### Grade Point Equivalents and Averages

Grade point equivalents are used to calculate grade point averages.

Grade	Point Equivalent
A+, A, A-	4
B+, B, B-	3
C	2
D	1
FM, F	0

### Calculation of Average

Each course is assigned a weight based on its length and the mix of lecture, laboratory or clinical components. An individual student's point equivalent for each course is multiplied by the course weight. The student's grade point average is calculated by adding up the weighted grade point equivalents earned for all the separately numbered courses for the academic program year and dividing by the sum of the course weights for all classes.

### Supplemental Examinations

A candidate who has received FM grades in not more than two subjects of any year and who has attained the required grade point average of 2, is entitled to supplemental examinations in such subjects, provided she/he is qualified in attendance and class work for admission to examination. A candidate who has failed in more than two subjects in any one year or who has received an F grade in any course or has received a grade point average less than 2, does not receive any credit for work done in that year.

Supplemental examinations are held on the day specified in the academic Calendar, and during the regular examinations in the Spring, but at no other times and are written at Dalhousie unless approval is obtained to do otherwise.

Other forms of supplemental evaluations may be prescribed for different aspects of the program such as laboratory and clinical assignments. These are carried out in periods determined by the Faculty.

Application for admission to a supplemental examination must be made on or before July 15th on the application form which may be obtained from the School of Dental Hygiene Office and must be accompanied by the proper fees.

On passing a supplemental examination or evaluation the candidate receives no higher than the lowest passing grade.

### Promotion and Graduation

First-year students are not promoted unless they have passed all subjects and obtained a grade point average of 2.0. If a student has a grade point average of 2.0 or greater, and, after supplemental examinations are completed, has not more than one failure, the student may register for that one course and any courses in which the final grade (supplementals excepted) was D in the next regular session. If a grade of C or better is earned in the repeated course(s), the student will be promoted to second year. A student thus repeating a course(s) is not permitted to register concurrently for any other courses offered by the School of Dental Hygiene. Before proceeding to second year, the student must demonstrate an appropriate level of competence in clinical skills. Students in second year cannot graduate unless they have passed all subjects, obtained a grade point average of 2.0 in all clinical subjects, a grade point average of 2.0 in all didactic subjects.

If a student has an overall grade point average of 2.0 or greater, and, after supplemental examinations are completed, has not more than one failure, the student may register for that one course and any courses in which the final grade (supplementals excepted) was D in the next regular session. If a grade of C or better is earned in the repeated course(s), the student will be recommended for graduation. Such students must make arrangements for and demonstrate continuing clinical competence.

### Instruments, Equipment, Textbooks

All instruments, equipment, and supplies are provided on loan by the University. Students are responsible for broken or damaged equipment and instruments. There is a \$250.00 fee for the use of instruments. Students must purchase uniforms and lab coats as specified as well as the textbooks required for each of the classes.

Students desiring further information may write to the Director, School of Dental Hygiene, Dalhousie University. Those desiring to submit applications for admission should write directly to the Office of the Registrar, Studley Campus, Dalhousie University, Halifax, Nova Scotia, B3H 3J5.

### Academic Program

The following classes are required for a Diploma in Dental Hygiene:

#### First Year

**Dental Anatomy — DH1706A:** Structure of human teeth: reproductions of tooth forms by drawings and carvings.

**Preclinical Dental Hygiene (1) — DH1703R:** Objectives and principles of oral hygiene, instrumentation in oral prophylaxis, laboratory and clinical practice of techniques.

**Dental Biomaterials Science — DH1709B:** Study of materials used in dentistry; lectures, demonstrations, and laboratory exercises. The class on Dental Biomaterials for the dental hygiene students is approximately 40 hours. Emphasis is placed upon instructing the student as to the reasons why specific materials are employed, and the ways in which these materials react to the oral environment.

**English:** An introductory class in College English. (See English 100 in the Arts and Science section of the Combined Undergraduate Calendar).

**Oral Biology — DH1705R:** The objective of this class is to introduce the subject of craniofacial embryology and histology and to make it clinically relevant by correlating developmental, microscopic, anatomic, and clinical aspects of the subject. Both developmental and pathologic correlates are discussed. This class is offered jointly by the Department of Oral Biology, Faculty of Dentistry and the Department of Anatomy, Faculty of Medicine for both first year dental students and first year hygiene students jointly.

**Anatomy — 103C:** This is a one-half credit class taught by the Department of Anatomy in the Faculty of Medicine and designed especially for Dental Hygiene students. Scope and sequence are coordinated with Physiology 101C which is taken concurrently.

**Physiology — 101C:** This is a one-half credit class taught by the Department of Physiology and Biophysics in the Faculty of Medicine. The lectures are coordinated with Anatomy 103C which is taken concurrently.

**Microbiology — 1100A:** Study of microorganisms.

**Periodontics — DH1701R:** This class begins in first year and is continued in second year. It is a study of diseases affecting supporting structures of the teeth.

**Radiology — DH1702R:** A series of lectures, laboratory exercises and clinical training, covering the technical aspects of radiology and the hazards and safety of radiation.

**Dental Hygiene Restorative — DH1707B:** Instruction in restorative procedures. This class includes lecture and laboratory procedures in the placing, contouring and finishing of all plastic restorations in prepared teeth.

**Psychology — 1401B:** A special class to meet the needs of the profession commencing in second term and continuing in second year.

**Nutrition and Biochemistry — DH1708B:** Aspects of Biochemistry relevant to nutrition are discussed in connection with each nutrient.

**Dental Health Education — DH1704R:** Introduction to recent oral hygiene concepts. Using simple patient simulation exercises, students are encouraged to develop dynamic approaches to patient education. Review of oral hygiene aids.

## Second Year

**Clinical Dental Hygiene — DH2706R:** Clinical practice in dental hygiene care.

**Dental Specialties — DH2701R:** Idiosyncrasies of treatment within the dental specialties.

**First Aid — DH2714A:** St. John Ambulance certificate course.

**Cardiopulmonary Resuscitation (CPR) — DH2713A:** Nova Scotia Heart Foundation certificate course.

**Pharmacology — DH2715B:** Pharmacology of drugs used in dentistry.

**General and Oral Pathology — DH2702R:** The study of the basic principles concerning disease in general and those affecting the hard and soft tissue structures of the oral cavity in particular. Rotation to the Mouth Clinic and clinical aspects of diseases of the mouth are included in this class.

**Sociology:** See Sociology 1000, in Faculty of Arts and Science Calendar.

**Applied Nutrition for Preventive Dentistry — DH2704A:** Concerned with the changing nutritional needs throughout the life cycle with particular emphasis to their application in preventive dentistry. Also concerned are some of the socio-economic and cultural determinants of food habits.

**Periodontics — DH2709R:** Continuation of the study of oral manifestation of disease affecting supporting structures of the teeth, commenced in the first year.

**Psychology — DH2710A:** Continuation of the relation begun in first year of this subject area to the specific needs of the profession.

**Orientation to Dental Practice — DH2717B:** A series of lectures on topics in practice management of special interest to the dental hygienist, including an introduction to principles of management, selection of personnel, job hunting skills, management skills, office systems and processes, and professionalism.

**Dental Hygiene Jurisprudence — DH2716B:** A series of lectures on topics relating to the responsibilities of both the dentist and the dental hygienist, including principles of law, dental standards, interpersonal legal relations, consent to treatment, patient records, licensure and discipline, human rights legislation, malpractice insurance, employment contracts, and the hygienist as expert witness.

**Dental Hygiene Ethics — DH2712A:** A series of lectures and seminars on ethics and their application in the dental hygiene field. Topics include beneficence, respect for autonomy, informed consent, paternalism, distribution of care, prevention vs. crisis treatment, and models of health and disease.

**Dental Health Education — DH2711R:** Program planning, instructional methods and media used in teaching oral health, including nutrition counselling related to dental disease control, smoking and oral health, and fluoridation. Extensive field experience is arranged.

**Seminar on Special Needs Populations — DH2703R:** Student discussions (seminar format) on selected populations including the elderly, the medically compromised patient, and the disabled. Second semester student presentations on topics of own choice.

**Patient Management Seminars — DH2707R:** A series of monthly seminars which focus on clinical patient care activities of third and fourth year dental students as well as second year dental hygiene students and dental assisting staff. Occasional chart audits provide a focus for assessing the management capabilities of students in each vertical group.

**Dental Oncology — DH2705A:** The study of dentistry in relation to the patient receiving cancer treatment.

**Table Clinic DH2601B:** Students in second year will prepare and present a table clinic on a topic of interest in research or clinical practice. The presentation is graded on a pass/fail basis. All presentations are judged in a public presentation for prizes.

# Faculty Scholarships, Bursaries and Prizes

## First Year Entrance Scholarships

A scholarship of \$1,000 is awarded to the student entering the first year of Dentistry who has the highest scholastic standing in the imperative university courses required for admission into the Faculty of Dentistry according to Dalhousie University standards and provided that his average was not less than 75% and having had no subject below 50% in his university experience.

## Undergraduate Scholarships

A scholarship of \$1,000 is awarded to the student entering the second year of Dentistry who attained the highest scholastic standing in his first year of Dentistry at Dalhousie provided that his grade point average was not less than 3.0 with no subject below a grade of C.

A scholarship of \$1,000 is awarded to the student entering the third year of Dentistry who attained the highest scholastic standing in his second year of Dentistry at Dalhousie provided that his grade point average was no less than 3.0 with no subject below a grade of C.

## Entrance and In-Course Scholarships

Additional Entrance and In-Course Scholarships are available to Dental Hygiene Students and they are portable amongst other University Undergraduates Programs.

**The Dr. I.K. Lubetsky Scholarship:** A scholarship of \$500.00 to the student of Third Year who has demonstrated the greatest proficiency in the practice of Clinical Oral Surgery, provided an overall grade point average of 3.0 has been achieved in that year.

## Undergraduates Bursaries

**The Dr. D. Brendan Macneil Bursary:** The income from this recommendation of a committee of the Dental Faculty, to a member of the final year class at the commencement of the Fall term. It is awarded to the student who, in the opinion of the committee, shows evidence of actual financial need and who, by scholarship and attitude towards his responsibilities, has met the requirements of the award. Application deadline — November 30th.

**The Dr. F.L. Miller Memorial Bursary:** The income from this fund may be awarded annually to a second-year Dental Student who has demonstrated financial need. Preference is given, but not strictly limited to, a New Brunswick student.

**The Sidney D. Campbell Memorial Bursary:** The income from this fund may be awarded annually to a third-year dental student who has demonstrated financial need and who, by scholarship and character, appears deserving of this assistance. Application deadline — November 30th.

**Gail Lynn Kaiser Memorial Bursary:** \$150 to be awarded in the fall of the 1986/87 academic year and the second in the fall of the 1987/88 academic year; to a second-year student in Dental Hygiene who has demonstrated financial need and has attained a good academic standing.

**The Jennifer Wright Memorial Bursary:** The income from this fund may be awarded annually to a second year Dental Hygiene student who has demonstrated financial need. Preference is given to, but not strictly limited to, a Nova Scotia student.

## Government Subsidies

The Canadian Armed Forces have introduced a plan to assist dental students who enroll in the Canadian Forces Dental Services. In addition to pay and allowances for the rank in which the student is enrolled, provision is made for payment of tuition, instruments, supplies, and an allowance for books. Full details of the Dental Officer Training Plan may be obtained from the nearest Canadian Forces Recruiting Centre.

The governments of some Canadian provinces offer subsidies to dental students who agree to serve in the Department of Public Health for a specified number of years following graduation. Students should direct inquiries to the Department of Public Health in the Province in which they reside or intend to practice.

## Prizes and Medals

Faculty is reviewing all Prizes and Awards as listed. These Prizes and Awards may be changed by Faculty without notice.

The following Prizes and Medals may be awarded on recommendation of faculty concerned. A student who does not pass in all subjects of that year is not eligible to receive prizes and awards. In instances where students appear to be tied for prizes and awards, Faculty may use additional information about the student's performance as a basis for determining the recipient.

## Fourth Year Dentistry Students

**University Medal in Dentistry:** This medal is awarded on graduation to the student who has a grade point average of 3.0 or over in the final year and a grade point average of 2.5 or over in the entire professional course, or who in the opinion of the Faculty merits this award. A failure in any year makes a student ineligible. Only one medal will be awarded in any year, and other students reaching the medal standard receive "honourable mention" in order of merit.

**The Dr. Frank Woodbury Memorial Prize:** For the highest average in all subjects: books to the approximate value of \$100.

**The Dr. Frank Woodbury Memorial Prize:** For the second highest grade point average in all subjects: books to the approximate value of \$50.

**The Dr. Frank Woodbury Memorial Prize:** For the greatest proficiency in Clinical Practice: books to the approximate value of \$50.

**The Dr. William W. Woodbury Memorial Prize:** For greatest proficiency in Orthodontics: books to the approximate value of \$50.

**Dr. John W. Dobson Memorial Prize:** For the greatest proficiency in Periodontics: a cash prize of \$50 or books to that approximate value.

**The Modern Dental Laboratory Prize:** For greatest proficiency in Removable Prosthodontics: a book or books to the approximate value of \$50.

**The Quintessence Book Prize:** For the highest marks in Oral Diagnosis: a book or books to the approximate value of \$50.

**The Canadian Society of Oral and Maxillofacial Surgeons Prize:** For greatest proficiency in Oral Surgery in third and fourth year aggregate: selected book or books.

**The American Association of Endodontists Prize:** For exceptional ability in Endodontics: a one-year subscription to *Oral Surgery, Oral Medicine and Oral Pathology*; and a one-year Student Membership in the American Association of Endodontists.

**The American Academy of Periodontology Prize:** For the outstanding student in Periodontics: a one-year subscription to the *Journal of Periodontology*.

**The Canadian Associated Laboratories Ltd. Prize:** A final year award of a book selected by the donor and given to the student who demonstrates greatest proficiency in Clinical Fixed Prosthodontics.

**The American Academy of Dental Radiology:** For exceptional interest and accomplishment in Dental Radiology: membership in the Academy; and a one-year subscription to *Oral Surgery, Oral Medicine and Oral Pathology*.

**The American Society of Dentistry for Children:** For an outstanding student in Dentistry for Children: membership in the Society; and a one-year subscription to the *ASDC Journal of Dentistry for Children*.

**The American Academy of Gold Foil Operators Prize:** For outstanding qualities as a scholar and clinician in Operative Dentistry, with proficiency in accomplishing direct gold restorations: a one-year subscription to the *Journal of Operative Dentistry*.

**Academy of Dentistry for the Handicapped Award:** This is an award available to the student demonstrating the greatest proficiency in a project concerned with the handicapped dental patient. Applications and details are available from the Academic Awards Committee. The award consists of an associate membership in the Academy, a subscription to the Academy's journal, and a certificate.

**American Academy of Oral Medicine Prize:** For greatest proficiency in Oral Medicine: certificate of merit, one-year membership in the Academy of Oral Medicine, and a one year subscription to the *Journal of Oral Medicine*.

**The Quintessence Award:** For excellence in Clinical Achievement in Periodontics: a one-year subscription to the *International Journal of Periodontics and Restorative Dentistry*.

**The Quintessence Award:** For greatest proficiency in Clinical Practice in General Dentistry: a one-year subscription to the *International Journal of Periodontics and Restorative Dentistry*.

**The Johnson and Johnson Prize:** For proficiency and interest in Practice Management: a cash award of \$100.00 donated by the Johnson and Johnson Company.

**The Prince Edward Island Dental Association Prize:** For greatest proficiency and interest in Dental Oncology: A cash award of \$100.00.

### Third Year Dentistry Students

**The Dr. J. Stanley Bagnall Memorial Prize:** For the highest grade point average in all subjects: books to the approximate value of \$100.

**The International College of Dentists Award (Canadian Section):** For a combination of scholastic record, general character and participation in extracurricular activities during the third year; a cash award of \$350. donated by the International College of Dentists (Canadian Section).

**The Nova Scotia Dental Association Prize:** For the second highest grade point average in all subjects: books to the approximate value of \$50.

**The Canadian Academy of Periodontology Prize:** For the greatest proficiency in Periodontics: books to the approximate value of \$85.

**Atlantic Orthodontic Society Prize:** For the greatest proficiency in theoretical and clinical Orthodontics: a book or books to the approximate value of \$50.

**The Dr. W.H.H. Beckwith Prize:** For the greatest proficiency in Operative Dentistry: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Removable Prosthodontics: a book or books to the approximate value of \$50.

**The C.V. Mosby Book Prize:** For the greatest proficiency in Fixed Partial Prosthodontic Technique: Certificate of award, selection of any one Mosby Book with a list price not to exceed \$70.00

**The Dr. F.A. Godsoe Prize:** For the greatest proficiency in Systemic and Oral Pathology: a cash award of \$150 donated by the New Brunswick Dental Society.

**The W.B. Saunders Prize:** For the most significant improvement in third year: a one-year subscription to *Dental Clinics of North America*.

**The Halifax County Dental Society Award:** For the best, second best and third best presentation in Table Clinic: cash awards of \$75, \$50 and \$25 respectively.

**Table Clinic Fourth Prize:** For the fourth best presentation in Table Clinic: a cash award of \$25.

**Third-Year Clinic Practice Prize:** For the greatest proficiency in clinical practice in the third year: cash or books to the approximate value of \$50.

**The Dr. D.E. Williams Prize:** For the greatest proficiency in Clinical and Didactic Pedodontics: books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Dental Auxiliary Utilization: a book or books to the approximate value of \$50.

**The Johnson and Johnson Prize:** For proficiency and interest in Dental Public Health: a cash award of \$100 donated by the Johnson and Johnson Company.

### Second Year Dentistry Students

\***The Charles Bell Memorial Prize:** For the highest grade point average in all subjects: a book or books to the approximate value of \$100.

\***The Charles Bell Memorial Prize:** For the second highest grade point average in all subjects: a book or books to the approximate value of \$50.



**The C.V. Mosby Book Prize:** For the greatest proficiency in Microbiology: a book or books to the approximate value of \$50.

**The Canadian Associated Dental Laboratories Prize:** For the greatest proficiency in Removable Prosthodontics: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Pharmacology: a cash award of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Orthodontics: a book or books to the approximate value of \$50.

**The Dr. David Manuel Memorial Prize:** For the greatest proficiency in Clinical Preventive Dentistry: a book or books to the approximate value of \$50.

**The Quintessence Publishing Company Prize:** For proficiency and interest in Preventive Dentistry: a book or books to the approximate value of \$50.

### First Year Dentistry Students

**\*The Charles Bell Memorial Prize:** For the highest grade point average in all subjects: a book or books to the approximate value of \$100.

**\*The Charles Bell Memorial Prize:** For the second highest grade point average in all subjects: a book or books to the approximate value of \$50.

**The Dr. F.A. Godsoe Prize:** For the greatest proficiency in Dental Anatomy: a cash award of \$150 donated by the New Brunswick Dental Society.

**The Dr. F.A. Godsoe Prize:** For the greatest proficiency in Operative Dentistry: a cash award of \$150.

**The C.V. Mosby Book Prize:** For the greatest proficiency in Biochemistry: a book or books to the approximate value of \$50.

**The Saint John Dental Society Prize:** For the greatest proficiency in Physiology: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Anatomy: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Dental Biomaterials Science: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Correlative Craniofacial Embryology and Histology: books to the approximate value of \$50.

### Second Year Dental Hygiene Students

**The Katie Lubetzki Memorial Prize, donated by the Nova Scotia Dental Hygienists Association:** For the highest grade point average in all subjects: a cash award of \$100.

**The Nova Scotia Dental Hygienist Association Prize:** For second highest average in all subjects: a cash award of \$50.

**The Columbia Dentoform Prize:** For greatest proficiency in patient management and patient education: a Columbia Dentoform Model.

**The Nova Scotia Dental Hygienists Association Prize:** For the best and second best Table Clinic presentation: a cash award of \$60 and \$40 (or half these amounts in the case of two students working together).

**The Anne Rafuse Memorial Prize:** For the greatest academic and social contribution to the class: a book or books to the approximate value of \$50.

**The Alice Hartlen Memorial Prize:** For the student demonstrating the greatest originality and creativity in community projects in the Health Education Course, a cash award of \$50.

**The Johnson and Johnson Prize:** For proficiency in Community Dentistry courses: a cash award of \$100 donated by the Johnson and Johnson Company.

**The Halifax County Dental Society Prize:** For the greatest proficiency in clinical Dental Hygiene, a cash award of \$50.

### First Year Dental Hygiene Students

**The Katie Lubetzki Memorial Prize, donated by the Nova Scotia Dental Hygienists Association:** For the highest grade point average in all subjects: a cash award of \$100.

**The Halifax County Dental Society Prize:** For the second highest grade point average in all subjects, a cash of \$50.

**The Nova Scotia Dental Association Prize:** For greatest proficiency in Pre-Clinical Dental Hygiene: a \$50 cash award.

**The Liza Van Alphen Memorial Award:** Presented in recognition of sound academic standing and professional excellence, in tribute to a person of integrity and sincerity. A cash award of \$150.00.

**\*Note:** These prizes have been supplemented from funds provided through an annual contribution of the Nova Scotia Dental Association.

## Loan Funds

**University Loans:** The amount of money available for loans to students in Dentistry is quite limited. Loans are available to students in any year of study. Applications for such loans may be made to the Awards Office.

University loans bear interest from the first of the month immediately following graduation, or in the case of a student who does not continue his course, from the date of his last attendance. All loans are secured by a note signed by the student and co-signed by a person who is satisfactory to the university. All loans are to be repaid within one year from the date interest begins.

An information brochure is available from the Awards Office.

**Canada Student Loans:** Information concerning Canada Student Loans is available from chartered Canadian banks and the Dalhousie Awards Office.

# Academic Staff

## 1986/1987

### Dean

Kenneth L. Zakariasen, BA (Minn.), DDS (Minn.), MS, Cert.Endo. (Minn.), PhD (Minn.)

### Dean Emeritus

James D. MacLean, DDS (Tor.); FICD, FACD, FRCD(C), FADI, Professor of Fixed Partial Prosthodontics and a member of Faculty from 1952

### Assistant Dean for Student Affairs

D.G. Pentz, DDS (Dal.), Cert.Perio (Tufts), Professor of Periodontics

### Assistant Dean for Academic Affairs

Bruce Graham, DDS (Tor.), MS, Cert.Pros. (Ohio St.), MRCD(C)

### Secretary of Faculty

Peter M. Pronych, BA (Sask.), DDS (Dal), MSCert.Pedo. (Ohio St.)

### Professors Emeriti

R.H. Bingham, DDS (Dal) FICD, Professor of Oral Diagnosis, and a member of Faculty from 1955.

George Murraby Dewis, DDS (Dal), FACD, FICD, Professor of Prosthodontics and a member of Faculty from 1940

Kenneth MacFarlane Kerr, DDS (Dal), Cert. Pros. (Ohio St.), FICD, FRCD(C), FADI, Professor of Prosthodontics and member of Faculty from 1950

### Professors

I.C. Bennett, BDS (Liverpool), DDS (Tor.), MSD (U. of Wash.), FACD, FICD, Professor of Pedodontics, *Leave of Absence*

D.V. Chaytor, DDS (Dal), MSc (Ohio St.), Cert. Pros. (Ohio St.), MRCD(C), FADI, Professor of Prosthodontics

M.M. Cohen Jr., BA (Mich.), DMD (Tufts), MSD, PhD (Minn.), FCCMG, Professor of Oral Pathology; Professor of Pediatrics, Faculty of Medicine

A.H. Ervin, DDS (Dal), MSc (Ohio St.), Cert. Pros. (Ohio St.), Professor of Prosthodontics

D.W. Jones, BSc, PhD (Birmingham), FI Ceram., C.Chem. FRSC (U.K.), FADM, Professor of Dental Biomaterials Science and Adjunct Professor of Engineering Physics, TUNS

F.W. Lovely, DDS (Dal), MS (Mich.), FRCD(C), FICD, Professor of Oral and Maxillofacial Surgery

D.G. Pentz, DDS (Dal), Cert. Perio. (Tufts), Professor of Periodontics  
Kenneth L. Zakariasen, BA (Minn.), DDS (Minn.), MS, Cert.Endo. (Minn.), PhD (Minn.), Professor of Endodontics

### Adjunct Professor

S.M. Brayton, BSc, DMD, Cert. Endo (Tufts), FRCD(C), Dip ABE, FADI, Adjunct Professor of Endodontics

H.W. King, BSc (Birmingham), PLU (Birmingham), DIC (Imperial College), Adjunct Professor of Biomaterials

### Associate Professors

N.H. Andrews, BSc, DDS (Dal), Dip. Perio. (Walter Reid Hosp.), Associate Professor of Periodontics

L.J. Archibald, DDS (Dal), Associate Professor of Operative Dentistry  
W.B. Barro, BSc (Acadia), DDS (Dal), MCID, Associate Professor of Orthodontics

D.P. Cunningham, DDS (Tor.), MSc (Queen's), Dip. Pedo. (Tor.), Director of Clinics and Associate Professor of Pedodontics

J.E. Eisner, DDS (Alta.), PhD (Mich.), Associate Professor in Pediatric & Community Dentistry, *Leave of Absence*

A.K. ElGeneidy, BDS, DDS (Alexandria), MScD, DScD (Boston), DDS (Dal), FDSRCS (Lon.), FADI, Associate Professor of Oral Diagnosis

G.H. Faulkner, BSc, (Dal), DDS (Dal), Associate Professor of Operative Dentistry

J. Findlay, LDS (RFPSPG), PhD (Glasgow), DDS (Tor.), FRCD(C), Associate Professor of Periodontics, *Leave of Absence*

E.M.C. Franklin, DFC, CD, BSc (Acadia), DDS (Dal), Associate Professor of Operative Dentistry

B. Graham, DDS (Tor.), MS, Cert. Pros. (Ohio St.), MRCD(C), Associate Professor of Prosthodontics

E.J. Hannigan, DDS (Dal), MS (Boston), Associate Professor of Periodontics, *Leave of Absence*

B.B. Harsanyi, BA (Colegio Alice Block), DDS (Columbia), MS (Oregon), DDS (Dal), FRCD(C), Associate Professor of Oral Pathology

R.E. Hoar, DDS (Dal), MSc (Texas), Cert. in Maxillofacial Prosthodontics, FADI, Associate Professor of Prosthodontics

A.E. Hoffman, DDS (Dal), FRCD(C), FICD, Adjunct Associate Professor of Oral and Maxillofacial Surgery

D.S. Precious, DDS, (Dal), MSc (Dal), FRCD(C), FADI, Associate Professor of Oral and Maxillofacial Surgery

P.M. Pronych, BA (Sask.), DDS (Dal), MS, Cert. Pedo (Ohio St.), Associate Professor of Pedodontics

V.B. Shaffner, DDS (Dal), MScD (Ind.), MRCD(C), Associate Professor of Prosthodontics

T.E. Spracklin, BA (Acadia), DDS (Dal), MScD (Tor.), FRCD(C), Associate Professor of Orthodontics

E.J. Sutow, BSc (Penn. St.), PhD (U. of Penn.), Associate Professor of Dental Biomaterials Science

O.P. Sykora, BA (Sir Geo. Wms.), MA (Mont.), DDS (McG), PhD, (Mont.), Associate Professor of Prosthodontics

W.I. Vogan, BDS (St. Andrews), DDS, (USC), Dip. Perio. (USC), FADI, Associate Professor of Periodontics

### Assistant Professors

K. Abramovitch, BSc, DDS (McG), Cert. Dent. Diag. Sci. (U. of Texas), MS (U. of Texas), Assistant Professor in Oral Diagnosis

C.A. Bain, BDS (Glasgow), DDS (Dal), Cert. in Perio., Cert. Fixed Pros., MScEd (Penn.), Assistant Professor in Periodontics

R.A. Bannerman, BSc, (Dal), DDS (Dal), MScD (Ind.), Assistant Professor of Operative Dentistry

A.K. Bhardwaj, BDS (Lucknow), DDS (Dal), FRCD(C), Assistant Professor of Oral and Maxillofacial Surgery

T. Blackmore, BSc (StFX) BEng (NSTC) DDS (Dal), Assistant Professor of Operative Dentistry

R.M. Brygider, DDS (Man.), Cert. Fixed & Rem. Pros. (Med. US Carolina), Cert. Max. Pros. (Roswell Park), Assistant Professor of Prosthodontics

G.A. Burk, BSc (Dal), DDS (Dal) Cert. Endo. (Tufts), Assistant Professor of Endodontics

J.S. Christie, DDS (Dal), FICD, Assistant Professor of Operative Dentistry

G.M.D. Conrad, DDS (Dal), Assistant Professor of General Dentistry

P.L. Cyr, DDS (Dal), MSc (Dal) FRCD(C), Assistant Professor of Oral and Maxillofacial Surgery

W.O. Donald, DDS (Dal), Dip. Ortho. (Alta.), Assistant Professor of Orthodontics

A.A. Drysdale, MDCM (Dal), FRCP(C), Assistant Professor of General Anesthesia

D.A. Eisner, DDS (Dal) Dip. Ortho. (Tor.), FRCD(C), FICD, Assistant Professor of Orthodontics, *Leave of Absence*

G.M. Foshay, BSc (MtA), DDS (Dal), Cert. Perio. (Penn.), MRCD(C) Assistant Professor of Periodontics

J.D. Gerrow, DDS (Tor.), MS (Iowa), Assistant Professor of Prosthodontics

R.L. Harrison, DDS (Sask.), MSCert. Pedo. (Rochester), Asst. Professor of Pedodontics

C.H. Hawkins, DD. (Dal), MSc (Geo. Washington), Assistant Professor of Periodontics

R.E. Howell, DDS (Loma Linda), Cert. Oral Path. (USC), Assistant Professor of Oral Pathology

T.D. Ingham, BSc (UNB), DDS (Dal), FICD Assistant Professor of Orthodontics

G.S. Jackson, DDS (Tor.), DDPH (Tor.), Assistant Professor of Community Dentistry, Director of Patient Care

G.M. Jensen, DDS (Dal), MSc (Man.), Assistant Professor of Orthodontics

B. Johnston, DDS (Dal), MS (Quebec), Assistant Professor of Orthodontics

T.C. Larder, DDS (Dal), Cert. Endo. (Tufts), Assistant Professor of Endodontics, *Leave of Absence*

J.G.L. Lovas, BSc (Tor.), DDS (Tor.), MSc (UWO), Assistant Professor of Oral Pathology

R.M. MacDonald, BSc (StFX), DDS (Dal), Assistant Professor of Operative Dentistry

E.L. MacInnes, DDS, FRCD(C) (Tor.), Assistant Professor of Oral Surgery

W.A. MacInnis, BSc (Dal), DDS (Dal), Assistant Professor of General Dentistry

D.J. Morrow, DMD, MSc, PhD, (Man.), Cert. Perio (Dal), Adjunct Assistant Professor of Periodontics

D.J. Murphy, BA (St. Mary's) DDS (Dal), Cert. Oral and Maxillo. Surg. (NY) FRCD(C), Assistant Professor of Periodontics

R.B.T. Price, BDS (Lon.), LDS, RCS (Eng) MSc(Michigan), Assistant Professor of Fixed Prosthodontics

D.S. Richardson, DDS (Tor.), Cert. in Pedo., MS (Rochester), Assistant Professor in Pedodontics

M.R. Roda, DDS, (Dal), MSD (Dal), Cert. in FPP (Indiana), Assistant Professor of Fixed Prosthodontics

E.L. Smith, BA (Bishops), DDS (McG), MCID (Western), Assistant Professor of Orthodontics

J. Sterrett, BSc (Vir.), DDS (Tenn.) Cert. in Perio. (Dal), Assistant Professor of Periodontics

A.N. Swanzey, BA (UBC), DDS (Dal), Assistant Professor of Dentistry

G.L. Terriss, BSc (StFX), BCL (UNB), DDS(Dal), MSc (Rochester), Cert. Pedo. (Rochester), Assistant Professor of Pedodontics

A.F. Thompson, BDS (Dundee), DDS (Dal), Dip. Ortho. (Tor.), Assistant Professor of Orthodontics

B.A. Wright, BDS, (Lon.) LDS, RCS (Eng.), DDS (Dal), MS (Indiana), MD (Dal), Assistant Professor of Oral and Maxillofacial Surgery

#### Lecturers

P.W.H. Amys, BSc (Dal), DDS (Dal), Lecturer in Operative Dentistry

P.L. Barro, Dip. D.H. (Dal), Lecturer in Orthodontics

L.P. Bilodeau, DDS (Alta.), Dip. Oral Surgery (San Francisco), Lecturer in Oral and Maxillofacial Surgery

T.L. Boran, DDS (Dal), Lecturer in General Dentistry

P. Bourque, BSc (MtA), DDS (Dal), Lecturer in Orthodontics, *Leave of absence*

H.W. Brogan, BSc (Acadia), DDS (Dal), Lecturer in Operative Dentistry

W. Budzinski, DMD (Manitoba), Lecturer in Operative Dentistry

B.P. Chedraoui, DDS (Gotenburg), Lecturer

C. Dexter, DDS (Dal), Lecturer of Orthodontics

M.G. Doyle, DDS (Dal), Lecturer in Operative Dentistry, *Leave of Absence*

L.P. Erickson, BSc, DDS (Dal), Lecturer in Orthodontics,

K. Gravitis, BSc (Guelph), DDS (Western), Lecturer in Oral Diagnosis

W. Horne, BSc, DDS (Dal), Lecturer in Removable Prosthodontics

J.F. Houlton, BDS (Bristol), FDSRCS (Eng.), DDS (Dal), Lecturer in Pedodontics

T.H. Ibrahim, BSc, DDS (Dal), Lecturer in Operative Dentistry, *Leave of Absence*

N.J. Kaplan, BDS (Cape Town), Lecturer in Operative Dentistry

R.J. Konopasky, BA (Windsor), MA (UWO), PhD (Windsor) Lecturer in Community Dentistry

W.E. Larder, DDS (Dal), Lecturer in Operative Dentistry

B.G. Latwaitis, BSc (St. F.X.), BEd (St. F.X.), DDS (Dal), Lecturer in Oral Diagnosis

P.A. Leech, Lecturer in Orthodontics

D.C.T. MacIntosh, DDS (Dal), Lecturer in Oral Diagnosis

M. Mader, BSc (Acadia), DDS (Dal), MEd (Dal), Cert. Perio (Dal), Lecturer in Periodontics

W.A. Maillet, BSc (Mt. A.), DDS (Dal), Lecturer in Operative Dentistry

J.A. Miner, BSc, MSc, (Acadia) DDS (Dal), Lecturer in Dental Biomaterials Science

A.D. Morrison, DDS (Dal), Lecturer in Oral Diagnosis

A. Nette, BSc (Dal), DDS (Dal), Lecturer in General Dentistry

L. Peacocke, BSc (Dal), DDS (Dal), Lecturer in General Dentistry

L.E. Rozovsky, BA, (UNB) LLB, (Tor) Lecturer in Community Dentistry

A. Sachdev, BDS (Welsh National School of Medicine), Cert. Perio (Dal), Lecturer in Periodontics

M. Seyward, BSc (Guelph), MSc, DDS (Dal), Lecturer in Removable Prosthodontics

L. Smith, DDS (Tor.), Lecturer in Operative Dentistry

P. Stirling, DDS (Dal), MSc (Dal) FRCD(C), Lecturer in Oral and Maxillofacial Surgery

D. Tisch, BSc (Laurentian), DDS (U.W.O.), Cert. Perio (Dal), Lecturer in Periodontics

R.E. Thomas, BSc (Alta.), DDS (Alta.), Lecturer in Operative Dentistry, *Leave of Absence*

#### Instructors

S. Abbass, BSc (St.FX), DDS (Dal), Instructor in General Dentistry

T. Ackles, BSc (Dal), DDS (Dal), Cert. Dental Internship (Toronto), Instructor in General Dentistry and Oral Diagnosis

S. Barry, BSc (Dal), DDS (Dal), Instructor in General Dentistry

A. Burry, BSc (Acadia), DDS (Dal), Instructor in Dental Biomaterials Science

T.F. Foley, BSc (Dal), DDS (Dal), Instructor in Removable Prosthodontics, *Leave of Absence*

S. Gordon, DDS (Dal), Instructor in Oral Diagnosis

P. Johnson, BSc (Guelph), DDS (Dal), Instructor in Operative Dentistry

G.F. Lovely, BSc, DDS (Dal), Instructor in General Dentistry

K. McGrail, Dip. Dental Hygiene (Dal), Instructor in Oral Diagnosis

S. Roberts, BSc (Dal), DDS (Dal), BComm (St. Mary's), MBA (St. Mary's), Instructor in Pediatric Dentistry

D.S. Trider, BSc (Dal), MSc (Dal), DDS (Dal), Instructor in Removable Prosthodontics

#### School of Dental Hygiene

##### Professor

M.G.E. Forgay, Dip D.H. (Eastman), BA (Sask.), BEd (Mann.), MA (UBC), Director of School of Dental Hygiene

##### Associate Professor

K.F. MacDonald, Dip DH (Forsyth), BS (Boston), MEd (Dal)

**Assistant Professor**

G.M. Butt, Dip DH (Dal), BA (St. Mary's)

**Lecturers**

E. Andrews, Dip DH (Dal), RDA (NSIT), BSc (Acadia)  
G.P. Brown, Dip DH (Dal), BA (St. Mary's)  
D. Chalmers, Dip DH (Dal), BSc (Dal)  
P.D. Grant, Dip. DH (Dal)  
M.E. Kinnear, Dip DH (Dal)  
S.A. Koss, Dip DH  
A. MacDonald, Dip DH (Dal)  
T. Mitchell, Dip DH (Dal) BSc (Dal)  
S. O'Connor, Assoc. Degree Dental Hygiene (Springfield), BSc (Dal)  
N. Prowse, Dip DH (Dal), BSc (Acadia)

**Instructors**

T. Drake, Dip DH (Dal)  
C. Kincaid, Dip DH (Dal)  
D. Morash, Dip DH (Dal)  
G. Steeves, Dip DH (Dal)

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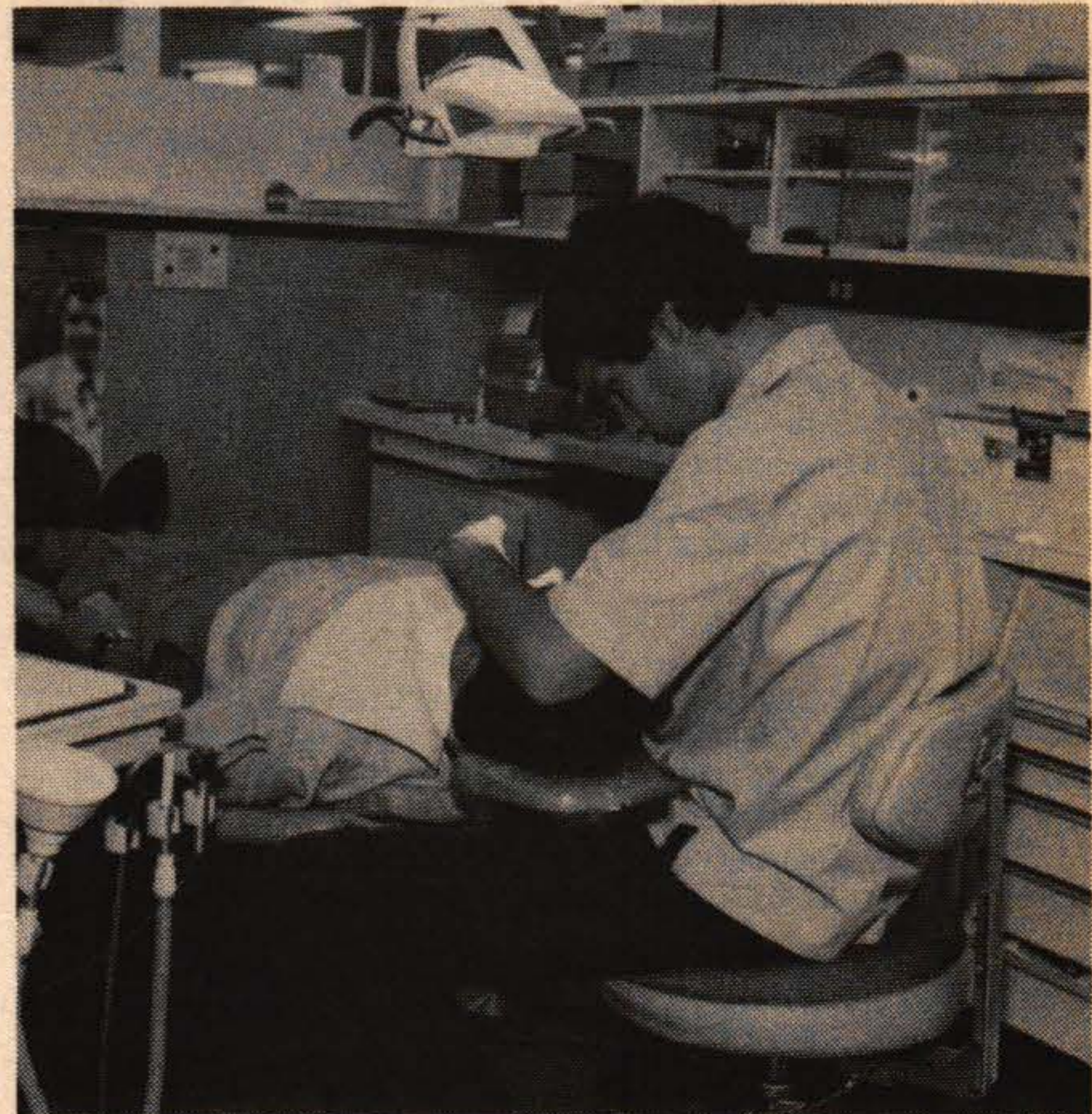
Anderson, Diane Rosamond  
Bell, Patricia Anne  
Bower, Barry Philip  
Brown, Casimir  
Bugden, Craig Robert  
Burry, Aaron Graham  
Butts, Thomas Jude  
Cain, Leo Thomas Maurice  
Cottle, Christopher Baudains  
Deveaux, Gina Leslie  
Dignan, David Paul  
Flecknell-Smith, Judith  
Francis, James Zachariah M.  
Fredericks, Kevin Ralph  
Hatfield, Eric Ronald  
Hennessey, Robert Wesley  
Holt, Shane Russell  
Kiri, Brian James  
Lamont, Lynn  
Lozowski, Ursula Henryka  
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MacDonald, Robert Gerard  
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McMaster, Vincent Leo Joseph  
McTaggart, Kerry Vern  
Ngan, Kenneth Chuen Lai  
Petropolis, Christos Nicholas  
Raftus, Richard Allen  
Riordan, Colleen Heather  
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Williams, John Jefferson

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Ray, Lesley Ann  
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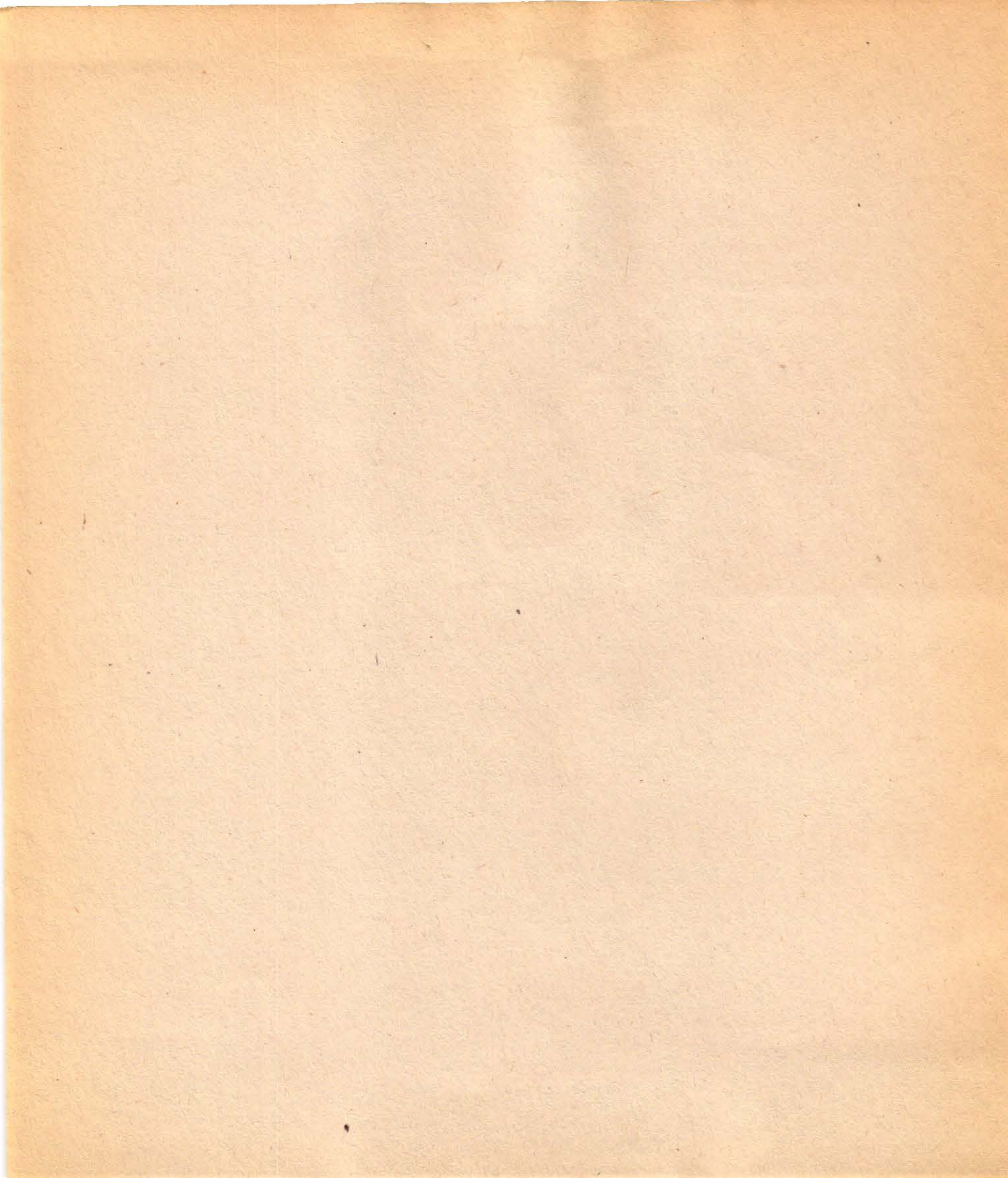
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