

## BIOLOGY FROM ANOTHER VIEWPOINT

See students at work in a biology laboratory (Room 402) and a display of living plants and animals (416) and biology at the research level (Rooms 206,207,212) in the Forrest Building, Dalhousie tomorrow and Friday. (Photo: Duggan Enterprises).

### Dean Cooke:

## The University and the student

Continued from page 7

capacity and value as a citizen that is at stake, not theirs. Your professors will not try to help you to predict what the questions in an examination may be, for this is not the purpose of examinations. The tests are there to provide a basis for judging how fit you are to progress up the ladder of study to more difficult and demanding tasks. You will be expected to have read books that are not prescribed by your instructor but which have been found by you through your own efforts to gain more benefit from your studies. You may disagree with your professor, argue with him and defend your views by reference to works you have studied on your own. Discussion and argument are the means whereby learning or knowledge becomes wisdom.

The essence of this difference between the regimented life at school and life at a university is the freedom that is yours in the university environment. You must take care not to abuse that freedom; not to allow licence to become licence, for there are many temptations to divert you

from your studies! When you graduate, the degree certificate will get you your first job. From then on your progress does not depend on the certificate but on what you know, how you think and reason, and how you get on with people. If there are serious gaps in your background, they will let you down. You should try to derive the maximum benefit for yourself from the wonderful opportunity that the university provides in putting at your disposal a vast wealth of information, skilled people to help you in your studies, and intelligent fellow-students with whom to discuss things so that, through discussions, you may sharpen your wits. The university is a community of scholars and much of its value is in contact, discussion and mutual stimulation between professor and professor, between professor and student, and between student and student. You must join this band of scholars to be one of them, to make your contribution as well as to derive benefit from your association.

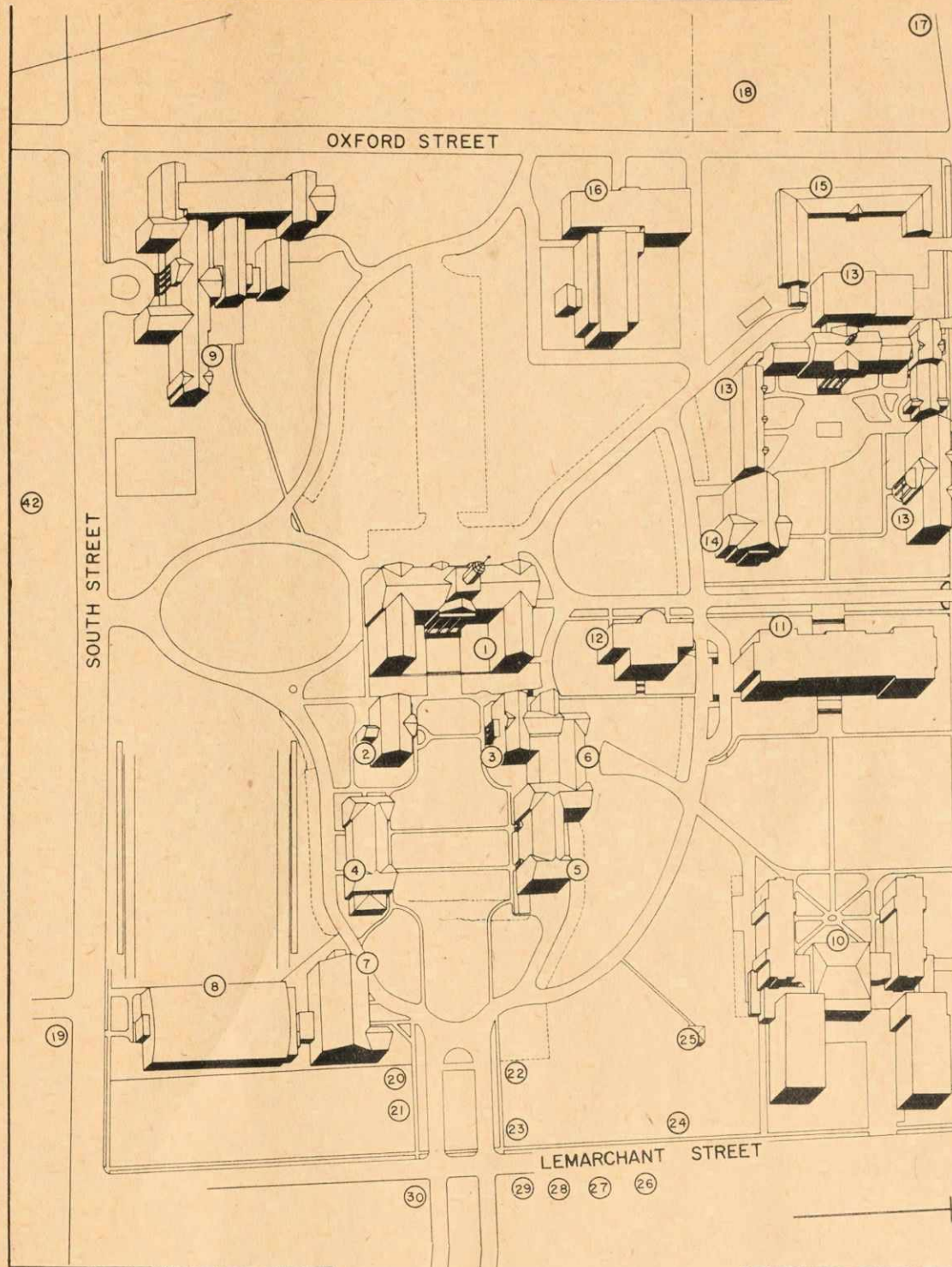
To be a scholar does not mean that you have to devote all your time to study. You must have fun,

too. You should try to take part in the physical activities of the campus as much as you can afford to do without detracting from your academic purpose. You know the proverb that "all work and no play makes Jack a dull boy"; there ought to be another one that "all play and no work makes Jack a quick drop-out".

The school environment, alas, does not always provide the kind of training in self-education that becomes so important at the university, but there is a lot that you can do to prepare yourself for college. First and foremost is the cultivation of self discipline so that you do what you know you ought to do at once, not putting it off to some future "more convenient" time (which often never comes!). Learn to work with concentrated effort, not just sitting in front of a book while your brain is playing the top ten tunes on the hit parade. Above all, learn to use books and libraries as sources of information and find out how best to locate the references that you need; your teachers and your librarians will give you guidance. Try to read books on subjects related to those you are studying so

as to enlarge and consolidate your understanding of the broader issues, not only the details in your prescribed text. When you find a hole in your background knowledge, try to plug it by finding the missing information for yourself. Improve your vocabulary and use the medium through which ideas are communicated; your understanding is limited by your language capacity. No matter how clear an image you may have in your mind, you cannot convey it to others (including your examiners!) except through language. Read books more of the time than you watch television or listen to the radio. When you find a word you do not know, find it in a dictionary. Teach yourself how to gain access to the vast storehouse of learning that is available in books. Learn how to learn. With a disciplined and tidy mind and with the knowledge of how to seek information that you need, there will be no great cliff for you to climb in order to enter the community of scholars at the university. With a well-planned work schedule you will also have lots of time for the many non-academic activities of student life.

## How to get there



### Key to map

- 1--Arts and Administration Building
- 2--Former Law Building
- 3--MacDonald Memorial Library
- 4--Arts Annex
- 5--Chemistry Building
- 6--Chemistry Extension
- 7--Gymnasium
- 8--Dalhousie Memorial Rink
- 9--Shirreff Hall
- 10--Men's Residence
- 11--Sir James Dunn Science Building
- 12--Provincial Archives
- 13--King's College
- 14--King's College Gymnasium
- 15--Education and Pharmacy Building
- 16--National Research Council
- 17--President's Residence, 6446 Coburg Rd.
- 18--Department of Psychology, 1460 Oxford St.
- 19--Department of English, Drama Workshop, 6188 South St.
- 20--Department of Economics and Sociology, 6220 University Ave.
- 21--Graduate House, 6214 University Ave.
- 22--Department of Classics, 6219 University Ave.
- 23--School of Nursing, 6209 University Ave.
- 24--School of Nursing, 1376 and 1378 LeMarchant St.
- 25--Seismograph Building
- 26--Department of

### In brief

## All Nova Scotian high schools are invited to Dal

All high schools in Nova Scotia have been invited to send student groups to Dalhousie University campus during the March 10-11 weekend for the university's Open House -- Intro-Dal '67.

Transition from high school life to that of university is considered a fairly major hurdle for most new students, and by giving them an opportunity to see first-hand something of the way of life and work at university, it is hoped that the problems of adjustment and adaptation will be eased.

While high schools have been given specific invitations to visit the campus, Intro Dal is open to the public at large, and both young and old alike will be welcomed.

The university expects that more than 10,000 people will visit the campus during the day-and-a-half event, and the organizers have plans well in hand for an adequate guide service, a free baby-sitting service, and a free campus bus service.

More than 600 students and nearly 100 members of the faculty are working together on displays and demonstrations for the weekend, and student organizations on campus are also planning additional events.

## Cash prizes for photo amateurs

Amateur student photographers will be competing for cash prizes in a photography contest during Intro Dal '67 -- Dalhousie University's open house -- on March 10 and 11.

Open to Dalhousie students only, contestants submitted any photo depicting university life in general.

Divisions are black and white, color and slides, and entries to date include shots of sports events, residence life, Dalhousie-sponsored plays and the Judo club.

Over \$200 in prizes will be awarded to the winners by a select group of judges.

Pictures will be on display in the first floor foyer of the Arts and Administration Building on March 10 and 11 and slides entered in the contest will be shown in Room 215 of the Chemistry Building on Friday, March 10, from 4 to 5 p.m. and 6:30 to 7:30 p.m., and on Saturdays, March 11 from 11:30 a.m. to 12:30 p.m., and 3 to 4 p.m., and 5 to 6 p.m.

## Exhibits, events, features at 2-day Intro-Dal '67

- ... A low temperature physics display (-450 F). Watch a rubber ball shatter like glass.
- ... A laser beam experiment
- ... A model volcano, geyser, and glacier - In action!
- ... Watch nylon being made.
- ... Talk those legal matters over with the lawyers in the law school.
- ... Poetry reading in a coffee house atmosphere - English Dept.
- ... Girls in native Spanish costumes in a Cabaret.
- ... Effects of drugs on the electrical activity of the brain.
- ... Cancer detection - the danger signs!
- ... A dental clinic in operation - Have a tooth filled. (?)
- ... Foreign Students Fashion Show
- ... And many more!!!

### Special Events:

- Fri: 2:00 pm Official Opening, Front steps of Arts building
- Fri: 2:30 pm (The Lieutenant-Governor will deliver an opening address. The premier will also attend.)
- Fri: 7:30-10:00 Drama - Variety Show - Concert (3 stages)
- Fri: 8:00 pm Film Society Feature full length show, Rm. 117
- Sat: 1:00 pm Dumb Bldg.
- Fri. & Sat. Mummie Display by the Athletic Department, including Dalhousie Invitational Judo Tournament 7:00 pm, Sat.
- 9:00 pm Sat. nite Arts Society A' Go-Go Dance

### Other Features:

- Free Baby-sitting service - with registered nurse.
- Free coffee and donuts
- Free Bus service around the campus
- Information Booths in each building
- Detailed pamphlet with schedule of events and campus map.
- 10,000 people expected, 2,000 high school students from around the province.

## 100 displays included in Open House

Continued from page 7

be a display of Audio-Visual techniques in Teaching French. The language labs on the bottom floor will be open to the public.

Classics - Rm. 228. There will be a display of statuary, manuscripts, books, and prints on classical topics.

English - Rm. 228 -- Poetry reading in a coffee-house atmosphere. The story (comical) of an English student from the time of entrance to the completion of university. The occasional satirical given by profs. of the Eng. Dept. Eng. Lit. through the ages (comical)

Spanish - Rm. 212 The room will be completely decorated and there will be girls dressed in native costumes and a cabaret. Slides will be shown.

Political Science - Rm. 232. Poster display and course content.

Music 3rd floor - Music room.

### MEDICAL SCIENCE BUILDING

Physiology - Med. Sc. Bldg. Research demonstrations of oscilloscope and brain waves. Recording of spontaneous activity of Neuro-muscular junctions. Student Labs. (Medical experiments)

Biochemistry - Med. Sc. Bldg. Control of blood sugar. Infection of tissue cultures by animal viruses. DNA chemistry. Biochemical genetics. Blood groups. Immunology. Various biochemical techniques will be used to illustrate these fields.

Pharmacology - Med. Sc. Bldg. Rms. 101, 109D, 114, 115, #6 lab. Teaching lab. experiments. Research - Cell physiology. Cardiac Pharmacology. Effect of drugs on the electrical activity of the

brain.

### PATHOLOGY INSTITUTE

Pathology - Path. Inst. Principles of Exfoliative Cytology-Early stages of Cancer detection. Processing of Biopsy Material. Demonstration of some methods of blood testing. Demonstration of tests. Methods of blood-clotting tests. Some aspects of Forensic Medicine. Brain biopsies. Studies on Sex hormones. Photomicrography. Model of projected development of Pathology Institute.

Bacteriology - Path. Inst. Rm. 301, 310-316 Demonstration of Medical Viruses. Cancer Research. Materials used in Bacteriology.

### VICTORIA GENERAL HOSPITAL

Medicine-V.G. Surgery-V.G. Urology-V.G. Ophthalmology-V.G. Glaucoma and its treatment.

Otology and its treatment. Patients Dept. - Main Floor. Early diagnosis of hearing defects in children prevents assumption of mental retardation. Radiology - V.G. The X-Ray and diagnosis of disease.

### CLINICAL RESEARCH CENTRE

Psychiatry - The psychiatry department will have staff present to answer questions of any sort.

There will also be two simultaneous tours of the Centre. Group A -- 7-8 p.m. and 8-9 p.m. Blood Clotting and Heart Disease. Protection against Le-

thal Irradiation, Dalhousie Post-graduate Education Program. An Ounce of Prevention.

Group B-- 7-8 p.m. and 8-9 p.m. Electronics in Medical Research. High Mountains and the Heart. Biochemical Abnormalities in Mental Retardation. Anemias due to Inherited Factors.

### GRACE MATERNITY HOSPITAL

Obstetrics & Gynaecology - Prenatal Clinic - The role of prenatal care in modern obstetrics with emphasis on "Natural Childbirth." A display of X-Rays showing the various positions the baby may adopt while resting comfortably in the mother's uterus. A display on the "Pap Smear" and how cancer may be detected early and thus offer more chances for cure. The story of "Erythroblastosis Fetalis," or Blood Group incompatibility in pregnancy.

### DENTISTRY BUILDING

Dentistry - Dent. Bldg. Films, and discussion periods, "What Dentistry Offers", and Dental Degree -- "What next?" Dental Hygiene -- Dent. Bldg. Film, a small Clinic in operation, and demonstrations.

### FORREST BUILDING

Biology - Second and Fourth floors - Fourth Floor: Biology at the undergraduate level Room 402: The Teaching of Biology; a display showing the content and arrangement of biology courses at Dalhousie, and possible ca-

reers open to biology graduates. See the students at work in the laboratory.

Room 416: The Living World: A display of living plants and animals, illustrating the diversity of organisms to which the student is exposed.

Second Floor: BIOLOGY AT THE RESEARCH LEVEL Displays showing the major areas in which research is carried out. Room 206: Radiation Biology: Studies dealing with the effects of radiation on living things. Physiology: How do animals and plants function? Genetics: The study of inheritance in plants and animals. Room 207: Biological Oceanography: one branch of the study of the sea. Room 212: Cytology: the cell-unit of life. Developmental Biology: the study of plant and animal development. See the birth of a chick. The Electron Microscope.

Biological films will be shown continuously in Room 201 throughout the day.

## DALHOUSIE UNIVERSITY



INTRO DAL-1967



Vice-President-Law Teacher Dr. Horace Read

## 10,000 visitors

Continued from page 7

search will be viewed in buildings located on the Forrest campus. In the Medical Science Building, physiology will give research demonstrations of oscilloscope brain waves; biochemistry will illustrate techniques used in the control of blood sugar, biochemical genetics and immunology; and pharmacology will show the effects on drugs on the electrical activity of the brain.

In the Pathology Institute, the department of microbiology (bacteriology) will give a demonstration of medical viruses and developments in cancer research; pathology will demonstrate methods of blood testing and illustrate studies made on sex hormones. Information booths will be located in each building, and guides will be available to assist and direct visitors. Regular tours of the New Law Building and the Clinical Research Centre will also take place, and a prize will be awarded to the best departmental display.