

# The Scientist working for you

In England not much more than 100 years ago when the word "scientist" was coined, its use was condemned as "North American vulgarism."

Fortunately for us all and for the lifestyles which we take for granted both the word and the individual who personifies the "today" definition of scientist are valid and vital.

Now, the scientist is one versed in science and devoted to scientific study and investigation.

This open house provides the opportunity for you to meet scientists whether they be those of international stature in a specific scientific discipline, the researcher-teacher, the senior student exploring and advancing in his chosen field, or the junior student just discovering the excitement of a virtually infinite horizon of knowledge and experimentation open to him.

It will also give you the chance to see what the scientist is doing and how he is doing it again from the researcher-teacher-student point of view.

And, in many areas you will have

the opportunity to take part in the displays or experiments being conducted.

While three major teaching areas faculties are being featured at the open house, you will discover that the future of science and the potential of its work is almost limitless.

A book on science written for the layman to understand and enjoy and published in 1958 bragged about the great accomplishments of men in science and the spectacle of Sputnik, the Russian satellite which had been launched the year before.

The growth rate of scientific knowledge it doubles every 10 years and sees 2,000,000 items published each year amounts to an information explosion.

The result of this knowledge and more importantly the use to which it has been put has made remarkable changes in the way we live.

Scientists at the University of Alberta today are working to further improve the world in which we live and to solve the problems we have created for ourselves.

That research might relate to:

- studies on air or water pollution;
- the protection of the landscape due to resources exploration in the far North;
- the development of more productive and profitable strains of grain;
- the testing of the components that make up our buildings;
- experimentation to increase the economy of tar sands extraction;
- the discovery that microbes may be able to control oil spills;
- the analysis of the safety of our food supply and studies to reduce its perishability and increase its nutritional value;
- studies on noise in industry and how to reduce and control it;
- impact studies on hockey helmets;
- research to increase per-acre food production;
- detailed study of that pesky mosquito and how to safely control it;
- continued research into the study of antibiotics;
- study into improving methods of handling and treating sewage in our "throw-away" society;

- the study of wildlife disease and the possible effects on humans;
- work looking at color and how it effects our lives, either as how we see and remember it or how we react to it in buildings and how it effects us at work;
- improvement of cooking oils and their cholesterol content;
- investigations to discover which plants, trees and shrubs will or will not grow in the Northern Albertan climate....

to name just a few of the current projects at the University of Alberta which will directly influence our futures, whether as individuals, families, communities, regions, countries or the world.

The scientists, the students and the staff of the university BUT ESPECIALLY THOSE IN THE FACULTIES OF AGRICULTURE AND FORESTRY, ENGINEERING AND SCIENCE WELCOME YOU TO VISIT, EXPLORE, WATCH, TAKE PART AND ASK QUESTIONS AT THE DISPLAYS THROUGHOUT THEIR FACULTIES.

ABOVE ALL, HAVE A GOOD DAY, AND ENJOY YOURSELVES!

There is no greater joy....

## The Gateway

than the joy of discovery.  
- Gunning

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### Counselling display good starting point

There's a lot of ways a prospective student can become confused and misled at a university, and it's much easier for a person who isn't quite sure what he or she wants out of a university to become disillusioned with it.

An information centre aimed mainly at helping prospective students understand how the university system works has been set up in the main concourse of the Central Academic Building (CAB 10 on the centrefold map) featuring a slide-sound display as well as representatives from the university's High School Liaison Committee.

There you can learn admission requirements for different areas of study, registration procedures, as well as obtain sound advice on different programs of study offered by the university.

Brian Silzer, high school liaison officer, says the display is part of an ongoing program to project the university to the high schools in order to solve as many individual problems as possible before they arise. Information will be given at the display to help people decide what would be best for them to see at the open house this weekend, (you can't possibly see it all) in addition to the regular types of services the committee provides.

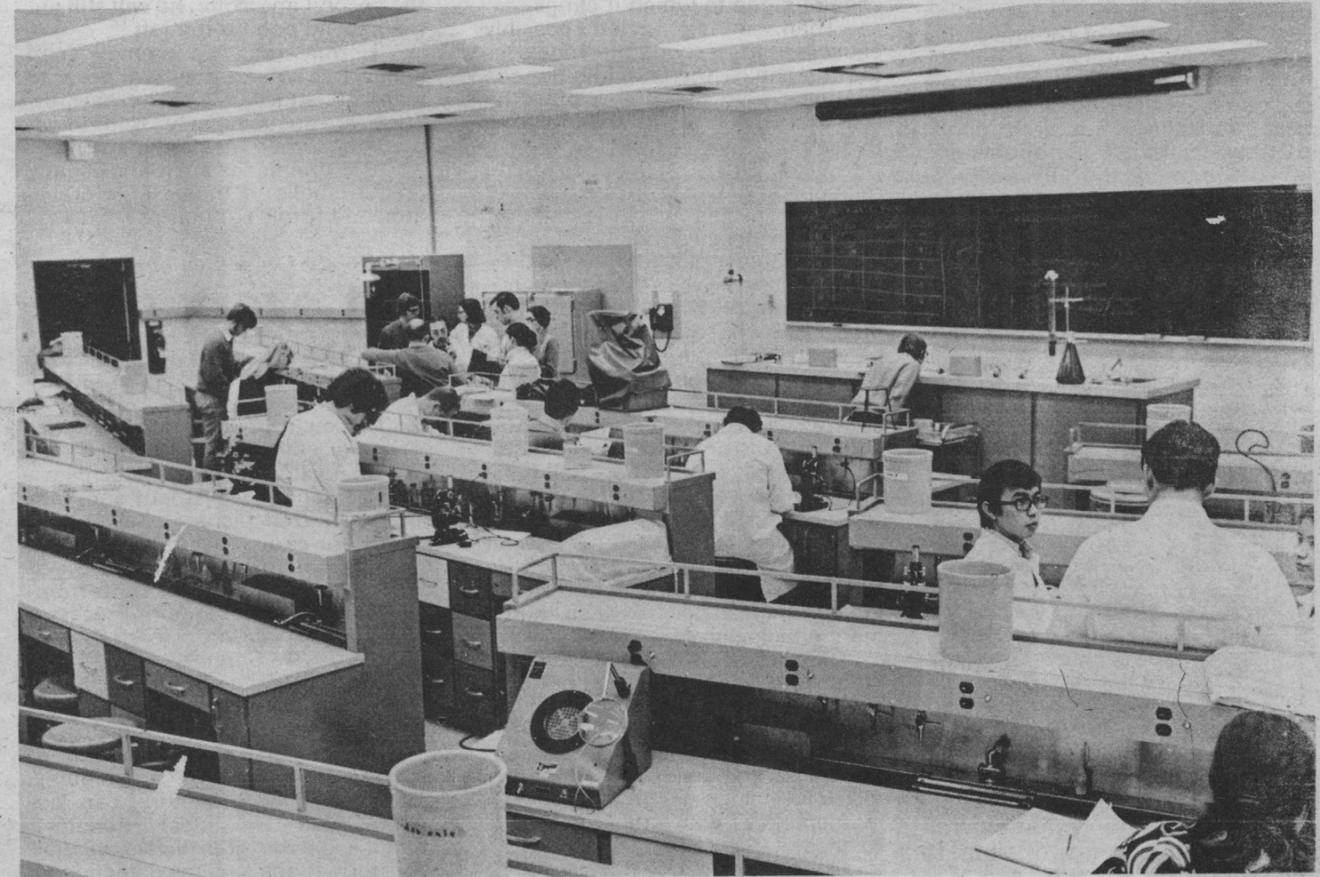
"It might be a good place for a person to start at the open house," says Silzer, "a person would be most likely to see the parts that would be most interesting to him personally."

### Oh Yeah?

A dictionary of contemporary North American usage of the English language published in the late 1950's includes a definition which no doubt will be challenged by all of your Open House hosts and hostesses.

It claims that science is knowledge and that art is action.

Your hosts and hostesses today



The university laboratory systems offer facilities for both basic experimentation in undergraduate programs, to advanced study and research in all areas of scientific endeavor.

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will state that science today is both knowledge and action ... and much more!

It's imagination, the joy of discovery, enthusiasm, ingenuity, curiosity, thoroughness, care and precision, hard work, fun and sometimes just plain good luck.