

# Indians Had Edge On White Man Stone Is Sharper Than Steel

Stone knives are sharper than steel.

This was shown Tuesday and Wednesday by Dr. Don Crabtree of Idaho, who gave demonstrations of stone knife and arrowhead chipping.

As an example, he mentioned obsidian dissecting knives. These knives are sharper than the best steel blades.

### CHIPS ARROWHEAD

As part of his talk, he took a large block of obsidian and chipped it into a rough spear head.

This was a demonstration of the percussion method.

Tools such as rocks, and pieces of elk horn were used to flake along the flaws and gradually bring the rock into a recognizable shape.

Dr. Crabtree sat on a low bench and was soon in the middle of a pile of shiny, razor sharp flakes.

### SPLINTERS A DANGER

Although onlookers were expecting cracked fingers from the smashing rocks and horn, he said most danger comes from the falling splinters.

The splinters are capable of splitting the sole of a shoe or lancing through a finger, with practically no pressure.

### TOOL SNAPS OFF FLAKE

Each flake is taken off with a short, hard snap of the chipping tool, hence the "percussion method."

A certain easy rhythm develops which leaves an individual style to each artifact.

The second method is the pressure flake method, which uses a steady, hard method along the flakes, by a hard tool.

It is used mainly to finish small arrowheads or to work small delicate flakes into arrowheads.

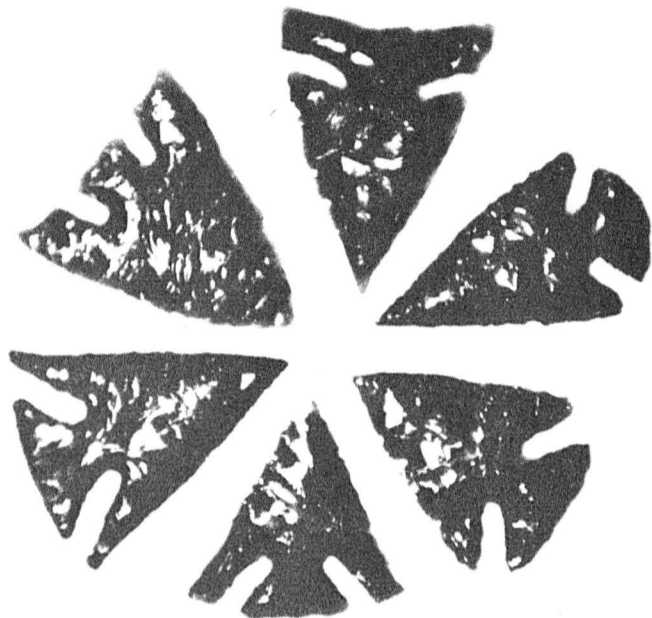
This is the work of a highly skilled craftsman.

### OBSIDIAN PREFERRED

Although hard, glasslike obsidian is preferred, granite is sometimes hardened by slowly heating it in a bed of sand and then letting it cool.

It is then rapidly heated, then cooled with water. This produces an actual re-arrangement of the rock structure, making it suitable for chipping.

Dr. Crabtree has specialized in



FINISHED ARROWHEADS

... fine art from the past

studying ancient stone artifacts such as arrowheads, knives and spear heads, for over 40 years.

### STUDIES BEGIN AT FOUR

In fact, he started an informal study at the age of four, by collecting arrowheads in the fields near his

Idaho home.

Dr. Crabtree brought with him a large collection of native relics and evidences of his own skill.

They ranged from simple spear heads to intricate trinkets such as a tiny blue shark.

## Stan Wolanski Loses Seat, Re-Election Before Nov. 5

Engineering students face another election before Nov. 5.

The Disciplinary, Interpretation and Enforcement Committee decided Tuesday not to allow Stan Wolanski a seat on Students' Council.

The action was the result of a controversy over the eligibility of the Engineering Student's Society vice-

president Stan Wolanski, now acting president, to sit on Students' Council.

Only members of the ESS were allowed to vote in the election for eng. rep. to Council but Students' Union By-laws require all members of the faculty be permitted to vote.

According to the existing ESS constitution, the ESS vice-president represents the faculty on council.

### DENIED VOTE

Engineering students denied the vote last spring protested immediately, but the situation remained as before. Wolanski himself mentioned the matter to the committee, suggesting an investigation.

The DIEC decision makes the election invalid as of Nov. 5 and as a result, a new position of eng. rep. to council will be created, separate and distinct from the position of ESS vice-president, and having full ESS council privileges.

The SU Constitution says all faculty members have the right to run for and vote for this position.

"I expected the decision," commented Wolanski, "and the change is embodied in the proposed revision in the ESS constitution."

### NOTICE

Attention all budding Hemingways and Robert Frosts! Here is an opportunity to become nationally known and have your writings circulated across the campuses of Canada.

Campus Canada, your national students' magazine, is looking for serious, humorous, and fictional articles, poetry, and caricatures to include in this year's edition.

Any original items will be considered. Hand yours in to the CUS Office in SUB, c/o Don Freeland.



ARROWHEAD CHIPPING

... informal but informative

# Naked Women Nix Mixed Visits

A recent Gateway survey showed U of A men are envious of mixed visiting privileges in the University of Toronto men's residence.

"Rah U of T!" was heard as one Alberta student was asked his opinion of dormitory visiting.

Peter Jackson, comm 2, says "Restrictions on girls in residence are utterly ridiculous. We are all adults."

"U of T should get more women-hours if they want them," says John Harrington, Comm 2. "Visiting in private rooms could be allowed if the doors were left open."

As for the effects on studying, Harrington felt dorm visiting is convenient: "Otherwise students have to go out," he said.

### USE LOUNGES

Cathy Miller, sci 1, disagreed with visiting in bedrooms.

"A change of atmosphere is necessary as students study in their rooms.

Why can't lounges in Lister Hall be left open later than at present?"

Val Fernf, arts 3, was against visiting in women's residence. She said, "To women the residence is home. Girls enjoy privacy more than men and some girls like to run around naked."

Virginia Black, ed 1, said: "Visiting in rooms should be restricted to the daytime. Adverse effects on studying and morals would depend entirely on the individual."

Virginia suggested visiting until 10 p.m.

But John Harrington thought midnight on weekdays and 1 a.m. on weekends would prove more interesting.

### NON-COMMITTAL

But most women were non-committal. Some confessed they hadn't even thought about the issue.

Men were more enthusiastic.

Peter Tyler said, "Women hours are a great idea!"

Not to leave the engineers out, Craig Montgomery, engineering 2, said: "We are supposed to be learning to be more mature people at this university, yet the Administration will not even allow us to entertain members of the opposite sex in our own homes."

## Engineer Wall Monster Mural Called "Scruffy"

"It's scruffy," remarked R. E. Phillips, superintendent of buildings.

He was referring to the dilapidated mural on the Engineering Building's west wall.

"We are most aware of its state," he said.

Why is the mural falling down bit by bit? "The great variance of temperature between Edmonton winters and summers is a major cause of the mural's gradual deterioration," he said.

"As the tiles expand and contract, moisture seeps in behind, and when this moisture freezes the tiny tiles drop off."

How long will it continue to decompose? Until spring it is "going to stay the way it is." The Campus Planning Commission has appropriated \$1,000 for the maintenance and repair of the mural.

Mr. Phillips has been advised to have the mural rebuilt, an undertaking to cost from \$10,000 to \$12,000.

## Scholarships For Jerusalem

All Canadian students are eligible to apply for scholarships tenable for one or more years at the Hebrew University, Jerusalem.

Anyone who will be 18 years of age by Oct. 15 of this year and who has already completed one year of university may apply.

The deadline for applications is Nov. 30.

Interested students may receive additional information by writing Dr. Samuel Cass, chairman, National Academic Committee, Canadian Friends of the Hebrew University, 1475 Metcalfe Street, Montreal 2, Quebec.

## Sex and Politics

A U of A co-ed was overheard at coffee saying that she had to forego the Poli Sci course on emergent nations because it conflicted with her genetics. A med student on the spot commented that it would probably conflict with ANY presently known physiological specimen's genetics. He obviously sat in on Dr. Vant's lectures.

## Sorenson's Duty Interior Design For New SUB

Chris Sorenson, junior partner in Robin Bush Associates, has been placed in charge of designing the interior of the new Students' Union Building.

Robin Bush Associates have been the interior design consultants for the project since June, 1963.

Mr. Sorenson will begin his duties as soon as square footages of the different facilities and the relations between them have been settled.

His job, not merely designing, involves determining how best to implement the functions intended for each area.

## CUS Advocates Distinct Flag

The Canadian Union of Students (CUS) has urged the federal government's 15-man non-partisan committee on the flag to put a motion before the Commons calling for a distinctive Canadian flag other than the Red Ensign or Union Jack.

In a letter written to each of the MP's on the committee, CUS president Jean Bazin said the flag debate has consumed an unwarranted amount of time and taxpayer's money.

He said CUS hopes that in the interests of Canadian unity, the Commons will waste no time in accepting the committee's recommendations.

The letter added, "We draw your attention to the official position taken by the 28th Congress of the Canadian Union of Students on this question: that the 28th Congress supports the adoption of a distinctive Canadian flag other than the Red Ensign or the Union Jack."

The letter was mailed to seven Liberals, five Conservatives and one New Democrat, one Social Credit and one Social Credit Rally.