



### HIGH RANKING RELIGIOUS LEADERS

High ranking religious leaders participated in a special ecumenical meeting at the University of Montreal as part of the Fourth World Conference on Faith and Order. From left to right they are:

Rev. Kenneth Maguire, Anglican bishop of Montreal, Most Rev. Athanasios of Elia, Greek Orthodox Metropolitan in Canada, Paul-Emile Cardinal LeGer, Roman Catholic archbishop of Montreal,

W.A. Visser 't Hooft, general secretary of the World Council of Churches, and Rev. George Johnston, United Church of Canada, principal of the United Theological College in Montreal.

### Fluoridation Battle Fought Wit Increasing Ferocity

By CARL MOLLINS  
Canadian Press Staff Writer

The arguments ring alternately like the script of a tooth-paste commercial or lines from a safe-driving tract.

"Brantford teen-agers have fewer cavities than those in other Canadian communities where the water supply is not fluoridated."

"Fluorides are deadly poisons. Why take a chance on our future health?"

And then:

"The real issues have little to do with fluorine or tooth decay. These are just a new context for the struggle between the totalitarianism and the way of life we have called 'democracy'."

Campaigns for and against adding fluoride compounds to commercial water supplies as a measure to reduce tooth decay have been fought with increasing ferocity since the first municipal fluoridation was instituted in three North American cities 13 years ago.

Fluoridation advocates say their opponents are suffering from fluorophobia—an unreasoning fear of fluorides—leaving the advocates open to a charge of fluorophilia, an unnatural affection for the chemical.

In this unpopulated and incessant permanent debate, the citizen finds speaking with two voices. One voice, the statistics tell, is in search of scientific studies and searches in vain for help from an uncommitted expert.

**FLUORINATION SPREADS**

Still, the unscientific citizen often is asked to take one side in a direct referendum or through his elected representatives.

Toting up the score each side keeps its own. Fluoridation advocates and opponents both can claim successes in Canada. In the years since fluorides first were added to the public water systems of Brantford, Ont., Grand Rapids, Mich. and Newburgh, N.Y., in 1945.

The number of Canadian communities using fluoridated water grew to 137 at the end of May, 1967, from 85 one year earlier, a Cross-Canada Survey by The Canadian Press shows.

The number of Canadian communities using artificially fluoridated water rose in the last year to more than 2,000,000 from 1,300,000, a proportion of one in nine of

the population from one in 13. Adding the population of Metropolitan Toronto—where fluoridation was scheduled to start this summer—the Canadian total would stand at 3,750,000, or about one in five of the population.

But the anti-fluoridationists take some satisfaction from the fact that during the last year 18 of 30 referendums in Canada rejected fluoridation.

**DISCARDED BY SOME**

Pro-fluoridation bodies such as the Health League of Canada, keep lists of cities adopting toothpaste and anti-fluoridation rights such as the Citizens' Rights Association maintain lists of communities discarding fluoridation.

Health League records show that in the United States 2,438 communities with almost 45,000,000 people were using fluoride as of March 31. A Citizens' Rights list says 2,500 communities have rejected fluoridation proposals and 120, with almost 3,000,000 people, have discarded fluoridation in the United States after trying it.

The debate often bogs down in such exchanges of statistical rights and wrongs as the record in legislative argument and scientific hair-splitting.

LAD LITE, a fruitless exchange took place between anti-fluoridationists in Port Arthur, Ont., and Dr. Gordon Bates, director of the Health League of Canada.

An offer of \$1,000, later increased to \$5,000, was made through the Lakehead Citizens' Rights Association to anyone who provided a factual proof that fluoridation of the municipal water supplies at the recommended one part per million is not harmful to the human body, actually reduces tooth decay, does not pollute the water, is not corrosive to pipes and plumbing.

**REFUSED CHALLENGE**

Dr. Bates first agreed to accept the challenge and then withdrew. A Health League spokesman explained months later that the challenge, on second and personal, was unscientific.

"I had a trap we discovered in time," Medical science works the other way around, he said. "His advice, but layman can carefully observed findings rather than trying to prove a measure is not harmful."

A similar challenge was ignored

when it was offered in a subsequent Toronto campaign.

In fluoridation research studies, the point of view of the publicist sometimes seems to dictate which way results are published.

Pro-fluoridationists quote the finding of a federal health department study that 16.5 per cent of Brantford teen-agers had no dental decay from birth had no dental decay. Anti-fluoridationists quote the other side of the percentage—"after 16 years of fluoridation 83.5 per cent of 14-15-year-old Brantford children had caries (decay) in their permanent teeth"—to indicate added benefits are slight.

Similarly, the pro-fluoridationist list of August medical bodies which have "approved" fluoridation is countered and denied by the other side.

**AMA IS CAUTIOUS**

Advocates can quote the American Medical Association saying it is of the opinion that fluoridation of the public water supplies is a safe and practical method of reducing the incidence of dental caries during childhood.

Opponents challenging the honesty of stating that fluoridation is safe and practical, show a letter from the AMA's legal department containing the foregoing approval, but adding: "The AMA does not engage in the official endorsement, guarantee or acceptance of unfluoridated water or fluoridated water."

It depends again on whose literature you read in searching for facts on the clouded question of "mottling"—a chalky-white or brown stain and pitting of tooth enamel observed among residents of some communities where the water supply is naturally fluoridated. A study of the phenomenon in 1962 by Dr. Frederick McKay, a Colorado Springs, Colo., dentist, led to research on fluorine's use as a decay-preventing measure.

A pamphlet put out by the Health League of Canada says flatly: "It was proven in the 1930s... that fluoride in concentrations of one part per million would not produce mottling. The same results have been found in Brantford."

The 1961 federal health department report on Brantford says about 20 per cent of the group studied showed mottling, which was recorded as slight, mild and moderate. Dr. Arnold Dutton of the Brant County Health Unit says "You have to be an expert to detect it."

Seattle radiologist Frederick B. Exner, a perpetual opponent of fluoridation, charges that on the issue of mottling the pro-fluoridationists have adopted "the Nazi technique of the colossal lie."

Dr. Exner, who with Dr. George L. Waldbott of Detroit

has provided such an analytical ammunition used by anti-fluoridationists, contended before the 1966 Ontario fluoridation investigating committee that fluoride advocates underestimate the significance of mottling.

He presented photographs of unsightly teeth he said were classified as mild or moderate mottling by T. H. Dean, who carried out research on fluoridation for the U.S. public health service between 1931 and 1953.

Dr. Exner's attack is on two fronts—scientific and moral. He says the entire fluoridation movement, and its claims of thorough research, rest primarily on two studies by Dr. Dean. He then attacks Dr. Dean's data analytically on the ground that they contain discrepancies, contradictions and unscientific conclusions.

He denounces fluoridation on ethical grounds, arguing that supply removes the individual's right to decide what preventive medicine he trusts and will take.

Both medical and lay opinion have expressed anxiety about the civil rights issue raised by fluoridation, arguing that its acceptance could open the way to other majority-imposed mass medication measures.

**REPRESENTS SUDAN**

The rare white rhinoceros is the national emblem of the Sudan Republic, famous for its game herds.

**KEELER**  
(Continued from page one)

not remember Charles' surname but defence lawyer James Budge shot back "absolutely untrue" and he questioned that Miss Keeler would be able to forget all details of the man if he really existed.

Cross-examining, Budge declared:

"It is quite obvious to anyone who has seen you, if you wished to earn money by selling your body you could have made very large sums of money."

"Yes," said Miss Keeler, her Auburn hair clinging to her shoulders as she stood in the witness box, her sleeveless mustard-colored dress making a pleasing contrast with the dark pinstriping of the Old Bailey chamber.

Budge added it was equally obvious that when Christie lived with Ward in his flat here he was not making large sums of money. Miss Keeler agreed with this and at another point declared "I am not a prostitute and never have been."

But she admitted—as she has earlier—having affairs with John Prohimo, former British war minister; with the Russian diplomat, naval attaché Yevgeny Ivanov, and with a London businessman, a West Indian, a Persian student and with Charles.

Ward pleaded not guilty to

three charges of living on the earnings of prostitution—each carrying a seven-year maximum prison sentence—and two charges of inciting or attempting to procure a girl under age 21 to have unlawful intercourse with a third person. The latter two charges carry a two-year maximum.

The dapper caterpillar passed years from the dock to his lawyer as Budge sought to show Miss Keeler untruthful in the eyes of the jury of 11 men and one woman. Budge also sought to show Ward repeatedly tried to help—not harm—the young woman who at various times in the last few years lived with him as a "sister."

Miss Keeler testified at the end of Monday's hearing she had broken off business connections with Robin Drury, who has Canadian connections and for a time acted as her business manager.

Budge drew from Miss Keeler the statement she received £23,000 (\$69,000) for newspaper serialization of her memoirs. She added: "I have to think of the future."

Another later development was Miss Keeler's statement that a cheque from Lord Astor, on whose estate Ward rented a cottage, paid the rent for an apartment she once shared with Marilyn (Mandy) Rice-Davis, 19, another witness in the Ward case.

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