

West Has Second Thought On Ban of Nuclear Tests

Editor's note: The following dispatch is based on information obtained from authorities in official positions which assure the accuracy of their statements. However, the United Press International agreed not to disclose their identities.

By HUGH WATERFIELD
London - (UPI) - The Western powers are beginning to have second thoughts on the present moratorium on nuclear test explosions because of reported startling advances in Russian nuclear weapons. Western military experts said today.

The experts told United Press International the Western delegates at the Geneva nuclear talks are caught between the devil of public opinion which opposes further nuclear explosions and the deep blue sea of advanced Soviet nuclear techniques.

Negotiations Watched
For nearly a year the world has watched the negotiations in Geneva, hoping that the specter of a deadly nuclear arms race can be erased. The talks resumed in Geneva this week after a two-month recess.

At the moment the "nuclear club" of Russia, the United States and Britain have a verbal understanding that no nuclear tests will be made before next year.

The military experts in London said Western leaders recognize the strong public demand for a ban on tests. But, they said, evidence so far of the danger to health by radioactive fallout is not conclusive.

High Military Risk
Western statesmen and military leaders have the responsibility for deciding whether the military risk to the West of a prolonged ban on tests outweighs the improved danger to health, they said.

The experts recalled evidence given by the U. S. Atomic Energy Commission early this year to a closed session of a Senate subcommittee. AEC scientists said that fallout, trapped and analyzed after a particularly dirty Russian nuclear test last year, indicated that Russia had developed a "super atom bomb."

Analysis of this fallout led the U. S. scientists to the conclusion the Russians had enormously greater supplies of uranium than the West suspected. It also indicated they have solved the problem, which still baffled Western scientists, of bringing large quantities of uranium-235 together in the casing of their superbomb without producing an automatic nuclear reaction.

Has Delivery Power
The military experts here said Russia's Sputniks and Luniks have shown she has missiles capable of delivering her super atomic bomb. No country yet has a missile powerful enough to carry a hydrogen bomb, they said.

One of the main problems is in the method of detonating the hydrogen bomb. The start of a fusion reaction requires such vast heat and energy that Western scientists have so far been able to produce it only by using an atomic bomb to detonate the hydrogen bomb.

The Russians also appear to be ahead of the West in finding an alternative to this, according to the London experts.

A Soviet explosives expert, Gen. Georgi Iosifovich Pokrovsky, said recently all Rus-

sia's latest hydrogen bombs are detonated by what he called an "electrical explosion" instead of by atomic bombs.

H-Bomb Value Limited
Western military experts said the value of the hydrogen bomb, even in massive retaliation, was seriously limited by its weight and that at present it can be delivered only by manned bombers.

The experts said all Soviet targets are surrounded by deep anti-aircraft defenses equipped with radar and guided missiles. An attack by manned aircraft would involve heavy losses in men and planes and a large percentage of waste in bombs which would not reach their targets.

In view of this, the experts said, it is vital for the West to improve and lighten the hydrogen bomb and this can be done only through test explosions.

Van Doren Given Quiz Show Help, Source Declares

New York - (UPI) - Charles Van Doren was given questions and answers to run up his winnings to \$129,000 on the quiz show "Twenty-One," an authoritative source said today.

The source said Van Doren, who earlier denied he had received any help in answering questions on the NBC program, was fed questions and answers to help him over rough spots on the show.

The New York Times said it had learned from an authoritative source in the Criminal Courts Building that both Van Doren and Hank Bloomgarden, another "Twenty-One" winner, had admitted to District Attorney Frank S. Hogan that they had received both questions and answers on the show.

Many Given Aid
Big prize winners of the program—with few exceptions—received pre-broadcast aid, a source who has been questioned by authorities about rigged TV shows told United Press International.

Neither Van Doren nor Bloomgarden would comment. Van Doren, 33-year-old English instructor at Columbia University, will appear Monday in Washington before a congressional committee investigating quiz show rigging.

It was reported his attorney had asked for a closed hearing under a house rule that any testimony which might tend to "defame, degrade or incriminate" may be taken in secret.

Both Bloomgarden, who won \$98,500, and Van Doren had appeared at Hogan's office last Friday to make "substantial changes" in earlier statements they had given the district attorney. They had refused to discuss the changes with newsmen.

TO VISIT RUSSIA
Moscow - (UPI) - Merchant Marine Minister Victor Bakayev has announced that American longshoremen, warehousemen, and shipowners will send delegations to visit the Soviet Union. Bakayev said Wednesday the invitations were extended because of the American longshoremen's "welcome to premier Khrushchev in San Francisco."

"I had to make honesty pay," he said.



STILL ACTIVE—Dave Beck, former president of the International Brotherhood of Teamsters, is still active in the automotive world. He personally handles business at a parking lot in downtown Seattle. Here he sells a parking ticket to Mrs. L. M. Suhaldonik. He claims the work keeps him physically fit as well as bringing-in a little cash. —(UPI Telephoto)

Youth Insures Mates Against School Mishaps

Lowestoft, England (UPI) - Geoffrey Small, 13, president of the Middle School Insurance Society, reported today he is doing a "whacking good business" in insuring his schoolmates against spankings and other schooltime accidents.

Small and his board of 13-year-old directors operate at Lowestoft Grammar school. They charge their clients three cents a week and pay up to four shillings (56 cents) for a major disaster such as a caning by a teacher.

Detention after school pays 42 cents, but some minor happenstance as having to write 100 lines of poetry on the blackboard brings the client only 14 cents.

We started it as a joke, but it has worked out rather well. Luckily, the chaps haven't got up to too many pranks or we would have been crippled by now," President Small said.

Terry Wilton, 12, said, "I joined and made one shilling (14 cents) out of it in five weeks. I laughed at the start but 80 lines of blackboard poetry brought me in eight pence.

"Then the boys found out how easy it was to get lines and made money. That, of course, the insurance organization didn't like."

President Small stopped that racket. He punched out new policies on his father's typewriter, inserting a clause excluding payments for "accidents" engineered by policy holders.

Robert Fulton built a submarine which he called the Nautilus.

Chilled Blood Aids In Heart Surgery

Philadelphia - (Science Service) - Chilled blood sent through the coronary arteries will cause the heart to come to a complete temporary standstill, enabling cardiac surgery to be performed more easily.

The procedure was described at the Scientific Session of the American Heart association here by Dr. Vincent L. Gott of the University of Minnesota Medical school. During the past year, he said, patients' hearts had been stopped for 45 to 60 minutes by chilling their blood supplies to 62 degrees Fahrenheit or below.

The resulting heart stop allowed surgeons to operate on an immobile and dry heart while heart-lung machines maintained circulation to the rest of the body.

Since 1957 surgeons have been able to stop the heart with drugs. The heart starts again when normal circulation is restored and the returning blood washes out the drug.

The use of chilled blood to stop the heart offers several advantages over the drug method, according to Dr. Gott. Cold blood can be sent through the heart muscle from time to time as desired. This prevents oxygen "starvation" of the heart muscle and minimizes undesirable changes in the chemistry of the heart.

The new method makes it possible, Dr. Gott said, to still the heart for much longer than is usually considered safe with drugs.

Robert Fulton built a submarine which he called the Nautilus.

Food Problem Said To Be More Acute

Ithaca, N.Y. - (UPI) - The world's food problem is more acute now than it was before World War II, and in important areas is steadily growing worse, according to Prof. Herrell F. DeGraff, Cornell University food economist.

DeGraff said the increase in population since before the war has outrun increases in food production in many parts of the world where food quality is lowest.

He noted, for example, that food production in 1955-56 had increased only 42 per cent above pre-war levels, in Latin America while the population was rising by 50 per cent. The figures for the Far East, excluding Red China, show food production up 20 per cent and population up 25 per cent.

RUDE SON-IN-LAW
Los Angeles - (UPI) - Actress Sylvia Lewis, 28, was granted a divorce from her film director husband John Rich, 34, Wednesday, but not on her charge that Rich was rude to her mother. "No man is obligated to love his mother-in-law," the judge said.

MEDFORD TRIBUNE

Regional Edition Page 2
Studebaker-Packard Features Stock List

New York - (UPI) - Studebaker-Packard issues featured the stock market Wednesday—first on heavy demand and later on selling.

The market as a whole was irregular. Autos in the small car group were the active leaders. Some oils moved ahead and so did some of the coppers.

Leading steels had an orderly retreat. Electrical equipments ruled strong, chemicals irregular and electronics lower. Many special issues had wide gains.

DOW-JONES AVERAGES
New York - (UPI) - Dow-Jones final stock averages: 30 industrials 643.60, up 1.42; 20 railroads 155.61, off 0.72; 15 utilities 87.41, off 0.13, and 65 stocks 212.57, up 0.03. Sales Wednesday were about 3,920,000 shares compared with 4,160,000 shares Tuesday.

Wednesday's prices on selected stocks:

Allied Chemical	114 1/2
Alum. Co. Am.	100 1/2
American Can	52 1/2
American Motors	78 1/2
A. T. & T.	78 1/2
Amphenol	78 1/2
Bendix Aviation	68 1/2
Bethlehem Steel	57 1/2
Boeing Air	29 1/2
Chrysler Corp.	32 1/2
Caterpillar Corp.	30 1/2
Continental Can	47 1/2
Crown Zellerbach	35 1/2
Curtis Wright	30 1/2
Dow Chemical	87 1/2
Du Pont	28 1/2
Eastman Kodak	114 1/2
Firestone	128 1/2
General Electric	81 1/2
General Motors	52 1/2
Georgia Pacific	49 1/2
Graham Paige	21 1/2
Greyhound	21 1/2
Gulf Oil	114 1/2
Homestake Mining	41 1/2
Idaho Power	45 1/2
B. M.	128 1/2
Int. Paper	128 1/2
Johns Manville	93 1/2
Kennecott Copper	94 1/2
Lockheed Aircraft	25 1/2
Katy	25 1/2
Montana Power Co.	24 1/2
Montgomery Ward	51 1/2
Natl. Biscuit	55 1/2
New York Central	30 1/2
Pag Gas & Elec	61 1/2
Tenn. J. C.	18 1/2
Penn. RR	16 1/2
Radio Corporation	59 1/2
Richfield Oil	47 1/2
Sears	37 1/2
Shell Oil	73 1/2
Socony Mobil Oil	41 1/2
Southern Pacific	71 1/2
Standard California	49 1/2
Standard Indiana	42 1/2
Standard N. J.	49 1/2
Sun Mines	69 1/2
Texas Co.	80 1/2
Texas Gulf Sulfur	17 1/2
Tex. Pac. Land Trust	22 1/2
Transamerica	21 1/2
Trans World Air	20 1/2
Tri-Continental	38 1/2
Union Carbide	134 1/2

One of Railroad History's Biggest Battles Shaping Up

Chicago - (UPI) - Management and unions readied today for one of the biggest battles in the history of the nation's railroads.

Conferences are underway or soon will be on contracts involving most of the 800,000 railroad workers. The procedures are complicated, but charges ringing out from both camps are quite clear.

For example, the railroads claim featherbedding practices of the unions are costing the carriers \$500 million a year, money spent for work not performed or not needed.

The unions retort that management intends, "even if it provokes a strike," to insist on changes in the working rules which labor has established by negotiations dating back as much as 40 years to protect the public as well as the workers.

The railroads say the unions this year have presented demands for wage and fringe gains which would amount to

\$750 million annually, among them:

- The Brotherhood of Locomotive Engineers, the Order of Railway Conductors and the Brakemen, and Switchmen's Union of North America seek a 12 per cent pay increase.
- The Brotherhood of Railroad Trainmen and the Brotherhood of Locomotive Firemen and Enginemen are asking for a 14 per cent pay increase.
- The 16 non-operating unions, composed of employees

who do not man the trains, want a flat 25 cent an hour wage increase.

A 25-cent an hour pay reduction, "the amount by which wage increases for railroad employees have exceeded those for workers in industry generally since 1953" plus elimination of all cost of living escalator provisions.

Because of the Railway Labor Act, any strike appeared unlikely right away. The issues, one way or another are expected to wind up in the hands of mediators or, at last

resort, a presidential fact-finding board.

The non-operating unions will ask for changes in working rules, in addition to the 25-cent an hour increase, when a three-year moratorium ends Sunday.

The railroads are waiting for Sunday, too. After Sunday the railroads will be free to try to get the so-called feather bedding rules amended. The issues will come to a head, the unions demanding more money and the railroads demanding new rules.

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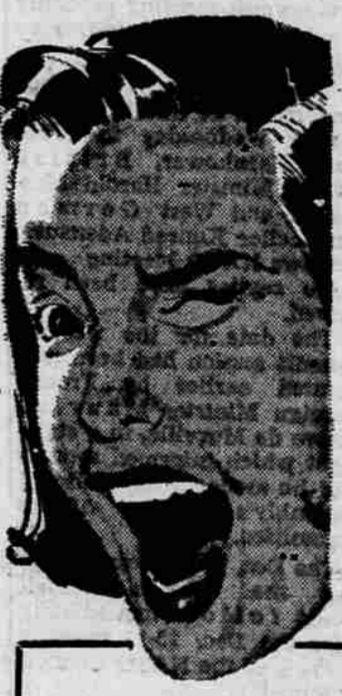
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