and Southwest and covered them with snow, freezing rain and sleet. A foot of snow at Memphis, Tenn., covered autos

Virus Almost 100% Pure Isolated by Robberies University of Minnesota Scientist

Special from The Minneapolis Tribure
MINNEAPOLIS, Minn., Jan. 17

—A poliomyelitis virus almost 100
per cent pure has been isolated for the first time any place by a University of Minnesota scientist. Dr. Frank Gollan, assistant professor of physiology, reported that he has isolated the "MM" polio virus which causes one strain of the feared disease and has removed 99.94 per cent of impurities. The MM strain is fatal only to small animals. But the purification method Dr. Gollan used is reported applicable to all strains, including those striking human bodies.

The achievement of Dr. Gollan was the fall of 1946.

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The sechlement of the University of Minnesota striking human bodies.

The MR strains is fatal only to small animals. But the purification method Dr. Gollan used is reported applicable to all strains, including those striking human bodies.

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The MR strains is fatal only to small animals. But the purification method Dr. Gollan's studies were financed by the Netional Foundation for Inc.

The MR strain is fatal only to small animals and the point of the Sudetenland. He joined the University of Minnesota staff in the fall of 1946.

The was standing on the corner of the MR standard polic virus was called "a milestone in science's fight against infantile paralysis."

Dr. Gollan's substance is about to police yesterday he had for police yesterday he had

Including those striking human bodies.

The achievement of Dr. Gollan, himself a pollo victim as a child of three seems certain, therefore, to be an important stepping stone to human beings against pollo. University research men already are planning attempts to isolate wiruses of human strains and make vaccines.

PURE VIRUS

The fall of 1946, and the fall of 1946 are planning attempts to isolate within the stuff to precipitate—and one of the main reasons why good one has ever been eleveled is that there has never been concentrated enough virus supply the highest purificent.

The achievement of Dr. Gollan, the fall of 1946 and the f

The highest purification up to by had been accomplished at tanford University, where two sci-tists announced just a year ago



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LIVING MOLECULES' and arrange for delivery of your tickets.

Viruses are "living molecules"—sometimes behaving like lnaminate chemicals but also very much like organisms which can produce themselves and adapt themselves to life within human cell matter.

"I had felt for a long time," Dr. Gollan said, "that the whole field of polio research was stagnating and would stagnate as long as there was no relatively pure virus."

"I believe that production of a potent vaccine is now more of a technical problem than a scientificone."

Chiang General Is a Suicide

PEIPING, Jan. 17 (UP)—The sui-ide in North China of a victorious Vationalist general made remorseful by "excessive" casualties was an-

by "excessive" casualties was an-nounced today.

A government spokesman said Lu Ling-yin, commander of the Third Army flad killed himself "because his forces had never suffered such losses in men and material" as in a recent victory north of the Great wall

Mystery Goforth Phones,

Suicide Theory Again Favored

Police came a step closer yesterday to the 23-year-old merchant seaman friend of Supervisor Chris Christensen. and it nearly convinced them

that the city official truly committed suicide by jumping from the Golden Gate Bridge.

In the search for young Livingston Goforth, Inspector Frank Murphy found the sailor telephoned his mother Thursday night in Little Book Ark, He was phoning from Rock, Ark. He was phoning from Los Angeles, he said, and he was very upset. He had just learned that his good friend Chris had leaped to

He did not tell his address and said he was shipping out soon.
MOTHER'S STORY
Mrs. Goforth told The Chronicle
last night that her son had called

when she told him she would be unable to help, he said he would 'manage homehow," she declared.

Mrs. Goforth said she heard from

Mrs. Goforth said she heard from her son infrequently, never knew where he was staying, and had no knowledge of the ships he sailed on. She said he served with the Navy for seven months last year and was discharged for "nervous trouble."

She also said she forwarded mail for her son to Christensen in San Francisco. That was the only thing she knew about Christensen, however, she said.

State GOP Group Backs Governor For President Description of President Christensen, however, she said.

ver, she said. Inspector Murphy sent a routine

Also missing is the motive for the suicide. As his last hours are re-

by slowly mixing the brain tissue solution with alcohol at temperatures of 32 degrees Fahrenheit and under, Dr. Gollan caused the virus within the stuff to precipitate—that is, to become separated within the solution.

Precise controls had to be maintained over the temperature and the amounts of alcohol, brain tissue and salt solution.

Next the scientist whirled a container of the solution in a centrifuge, and the virus—heavier than brain tissue—was thrown to the bottom.

Substantially the same method of precipitating and concentrating virus was used by Dr. Herald R. Cox. bacterfologist at Lederle "Labora-tories, Pearl River, N. Y., who announced in mid 1947 that he had isolated the Rocky Mountain spotted fever virus.

Cox began his research at the Duried States Public Health Services, Bozeman, Montana, Tick Fever Laboratory.

MICROSCOPE STUDY

Dr. Gollan's concentrated virus, and was checked on the university's and a pistol took \$6 from Vernon Dr. Gollan's concentrated virus, and was checked on the university's and so direct and was checked on the university's and so direct and was checked on the university's and a direct and was checked on the university's and a direct and the properties of the solution of Saturday morning. The readily admitted the holdup and cab driver, at California and Octavia shortly after that is, to become separated within the solution. Saturday morning the solution in Saturday morning the properties and concentrating that is, to become separated within the solution of Saturday morning. The left only of Cail Hobson, a cab driver, at California and Octavia shortly after that is, to become separated within the solution of Saturday morning. The left only of California and Octavia shortly after the suit coat on the bridge. The note was written hastily in green ink that he carried in an atavern at 527 Bryant street January and place with the carried in an atavern at 527 Bryant street January and place within the subscinction in the carried in an atavern at 527 Bryant street January and plac

He is charged with four counts of first-degree robbery.

Additional holdups during the day and last night lifted the new year's He was in good spirits at his office.

Supervisor Dewey Mead about a minor matter in the Board of Su-So far as is known, he was not

seen again.
PAINTER'S DISCOVERY

and Christensen Tuesday night. He told a detailed story, but police failed to find any substance to it. Nor have other tips panned out—the various times Christensen was reported seen on the bridge by motorists, a report that he was seen near Lake Tahoe, and the crank phone calls made to his home at 2310 Thirty-third avenue.

Woodring on European Tour

INDUSTRY IN THE BAY AREA

is an integrated economic re-gion, combining rich agricul-tural communities with vasi industrial enterprises.

Since the end of the war, this area has continued to grow industrially. Forty-six manufacturing firms are spending a million dollars or more apiece for new development or plant

Floyd Healey and Gene Forbes of The Chronicle staff will discuss the Bay Area's in-dustrial growth on KYA today at 6:10 P.M. (Note this new

G. B. Reesor's map of new Bay Area industry is on Page 4.

Turn also to Page 5 for the 15th article in Floyd Healey's "Freeway to the Future" series. Today's article deals with the Bay Area cultural and educational activities.

Warren's Candidacy

State GOP Group

pebble Beach, Jan. 17—Governor waren was endorsed for the presidency of the United States here today by cheering delegates to a special State-wide convention of the California Republican Assembly, an important at war or at peace.

The present policy of Soviet Russia is one neither of peace nor of war, Dulles said, and that is some call State-wide convention of the California Republican Assembly, an important performance of the call state-wide convention of the California Republican Assembly, and oratory of a national convention, the delegates whoopingly approved a resolution graph performance whoopingly approved a resolution and the said.

BEMOCRATIC VIEW

(Associated Press reported that poughton, who managed tax legislation when Democrats controlled congress, thinks Mr. Truman is strengthened. He said a "critical housing shortage continues generally throughout the United States" and for most areas "rent control war. Dulles said, and that is some will be necessary for the next two years."

Woods also recommended that Congress:

The Amend the law to protect understanding the North Carolinian convertion, but the limit of the law to protect understanding the proper end of liquidating non-Communist governments wherever they may be found, he said.

The Communist party has the goal in acconvention, the delegates whoopingly approved a resolution.

With all the color, cheering, banner waving and oratory of a national convention, the delegates whoopingly approved a resolution of liquidating non-Communist governments wherever they may be found, he said.

BELL MONTE LODGE.

The present policy of Soviet Russian of the law until March 31, 1950, who entered the state with the united States" and for most areas "rent control wears."

Woods also recommended that Congress:

The Communist party has the goal the law to protect understanding the present stand for most areas "rent control wears."

Woods also recommended that might get enough over the next two parts and for most areas "rent control wears."

Woods also recommended tha police now discount the theory that the presidency of the Christensen is with Goforth.

Although the action was cut and dried, the big demonstration was a surprise.

Banners urging "Warren for President," campaign buttons and wawing flags suddenly appeared as the delegates began taking their formal action.

NO DEFINITE FIGURE

Dulles said it was not possible to from the threat of evictic fusal to pay overceiling the money should be spent and that the reconstruction of Europe was not Harriman told the company to the elimination of author housing expeditor to brown the threat of eviction from the threat of eviction

phone voice seemed normal to Fazackerley.

At 5 p. m. he went to get his car
from a repair shop. He seemed upset to a friend at the shop but he
refused a loaned car and said he
could get along until the next day
without his car.

At 8:30 or 9 p. m. he telephoned
Supervisor Power Meed about de

Broken in Newark

NEWARK, N. J., Jan. 17 (UP) — A gigantic automobile theft ring with connections in most key cities, At 8 o'clock Wednesday morning, a bridge painter found Christensen's blue suit coat tied to a painters' tool box on the harbor side of the Golden Gate bridge in the center span.

The only theory offered is that Christensen had been under severe nervous strain and political pressure.

Several days' search has been made by the Coast Guard but no body has been sighted in the sea or on the beach.

Yesterday, Donald DeMoss, a war veteran living at 566 Waller street, told police he had seen Goforth and Christensen Tuesday night. He told a detailed story, but police

At 8 o'clock Wednesday morning, a bridge at the with connections in most key cities, was broken by police today as they was broken by police today as they was broken by police today as they wounded up the last five of 37 men to be arrested in recent weeks.

Investigation of the case began over a year ago when some new bills of sale were stolen from the New-lice said, hundreds of stolen automobles were sold in cities in New Connecticut, Georgia and Florida.

Elizabeth Won't Travel This Year

LONDON, Jan. 17 (P)—The Daily Graphie said today Primeess Fliza-

LONDON, Jan. 17 (P)—The Daily Graphic said today Princess Eliza-beth and Prince Philip have decided

In Italy Accident ROME, Jan. 17 (P)—Dispatcher reported that seven persons were killed and 60 injured, 19 severely

Dulles for Aid Plan

San Francisco Chnonicle
The City's Only Home-Owned Newspaper y nonicle

U. S. Must Go All-Out, Says GOP Leader

NEW YORK, Jan. 17-The United States must make an immediate choice between arm ing itself for war or putting its full strength behind the Marshall Plan, John Foster Dulles, U. S. delegate to the United Na-tions, said today.

U. S. delegate to the United Nations, said today.

Whole the United States camot afford to become militarily weak, he said, the correct course in view of present Soviet foreign policy is to fight Communism with food, machinery and ideas, not only in Europe but throughout the world. (Associated Press reported that Dulles "discounted" the threat of war with Russia, but said the present contention between the Soviet Union and the United States "is a desperate struggle and the outcome is highly doubtful.")

Dulles, leading Republican foreign policy spokesman, presented his views in an address to the Foreign Policy Association of New York. He has served as an American representative at seven international conferences involving negotiations with Russia and was Secretary of State Marshall's chief aide at the recent Foreign Ministers Conference at London. The Russian press has labeled him a "warmonger."

RUSSIAN POLICY

House Speaker Martin (R., Mass.), said tonight he looks for a two-year extension of rent controls after Secretary of the worder extension of the law will "display the will dad to the pressure of wage demands."

The two Administration officials appeared before a Senate Banking subcommittee, headed by Senator Cain (R., Wash.), which is studying legislation to extend controls now due to expire February 29.

Harriman told the Senators "there is every indication that rents will rise sharply unless effective controls are continued." He added that "releasing or easing of controls" on this important factor in the cost of living will be "inflationary" and "disruptive."

CRITICAL SHORTAGE*

Woods actually asked for an extension of the law until March 31, 1950, with enforcement provisions strengthened. He said a "critical housing shortage continues gener."

RUSSIAN POLICY

whoopingly approved a resolution whoopingly approved a resolution calling for the election of a California delegation at the Jume 1 primary pledged to the nomination of Governor Warren.

At the same time the convention called upon the Philadelphia Republican National Convention next June to nominate Warren as its candidate for President and urged the Nation to elect the Governor as chief executive.

The staid and swank Del Monte Lodge never before witnessed such a political demonstration as went on a today following the action of the delegates in approving the recombidates and specialized weapons. Thas developed, to a high degree, the techniques of propagands and penetration, of smear and strike constantly of smear and strike constantly of war but Russia is not called upon the Philadelphia Republican National Convention next June to nominate Warren as its candidate for President and urged the Nation to elect the Governor as chief executive.

The staid and swank Del Monte Lodge never before witnessed such a political demonstration as went on a today following the action of the delegates in approving the recombidates and penetration, of smear and strike constantly of war but Russia is not concentrating on a threat which is not real and expose us to the damping charge that we are planning war."

Whatever be the Soviet purpose, their causes, confuse us. Some the enforcement of the said, and the talk and gestures, combined their talk and gestures, combined their talk and gestures, combined to the convention of the extent of the president has indicated very on the extent of the president has indicated very on the extent of the president has indicated very on the provide for effective enforcement by permitting the expediter to sue for overcharges if the tenant does not, and by permitting the expeditor to refer willing the variety of the past year that he said, and the talk "may mislead us into concentrating on a threat which is not real and expose us to the down of the concentration of the does not, and by permitting

needs to make a choice and make

This was proof that the material and last infair lifted the new years and last infair lifted the new in good spirits at his office during the moring.

Additional holdups during the day was in good spirits at his office during the was in good spirits at his office during the material lifted the new years and last infair lifted the new jears of the unit of was in good spirits at his office during the material lifted the new jears and last infair lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good spirits at his office during the material lifted the new sing good and lifted the new sing good spirits at his office during the material lifted the new sing good sand lifted the new sing good and lifted the new sing good and lifted the new sing good

Looking For A School?



son or daughter to school this spring? For a complete guide to pri-

vate schools and colleges, turn to Pages 18, 19, and 20.

Rent and Taxes

Martin Says Congress Will Override Veto of **Bill to Reduce Levies**

Expediter Asks | Speaker Thinks Two More Years House Will Pass Of Rent Control

Woods today asked Congress Mass.), said tonight he looks

the elimination of authority for the housing expediter to bring treble damage suits and to protect tenants from the threat of evictions for re-fusal to pay overceiling rents."

Sunday, Christensen attended a family dimer and victory celebration in honor of his recent election as a Supervisor.

"He was like his old self, not at all nervous," said his wife "He was jovial and fine."

"To the strains of "California, Her I Come," the delegates paraded through the lodge in regular first Supervisors' meeting. He was pleased with the result and felt that the head weathered a political storm of that developed when he voted against some of his friends and backers on the chairmanship of the Board.

He came home and told his wife about it.

The yot down to work planning be awoke after a good night's sleep. If will be considered" as a sounding that much sleep every night." It made a pre-primary endorsed that much sleep every night." It made a pre-primary endorsed that much sleep every night." It made a pre-primary endorsed that much sleep every night." It made a pre-primary endorsed that much sleep every night. The was in good spirits at his office during the morning.

Sunday, Christensen attended as a Supervisor. The said twas not possible to purple was not defined that the construction of Europe was not constitution of California. The year of California was not possible to purple was not defined that the construction of Europe was not decision of California was not possible to purple as set a definite figure on how much may be constructed to Europe was not decing the present docs not think property owners are decision of the present that the property owners are decision of the present that the property owners are construction of Europe was not decision of the present docs not think property owners are decision of the present docs not think property owners are construction of Europe was not decision of the present docs not think property owners are decision of the present docs not think property owners are decision of the present docs not think property owners are decision of the present docs not think property owners are decision of the present docs not the present docs not the present docs not

owhed residential and nonresidential property rose from \$2,800,000,000 in 1941 to \$4,600,000,000 in 1947." He said "this rise in incomes from real property is a fact that is often overlooked when attention is focused on the changes in rental rates."

Polish Delegation Received by Stalin

MOSCOW, Jan. 17 (P)—A Polish delegation headed by Premier Joseph Cyrankiewicz was received last hight by Prime Minister Stalin. A In Britain

In Bri

Bill This Month

WASHINGTON, Jan. 17— WASHINGTON, Jan. 17— Housing Expediter Tighe E. House Speaker Martin (R.,

oudget proposal for the next fisca

ton waitress.

Miss Easely's body was found in a Roseville sheep pasture December 9. Thomasson was arrested recently at Miami.

Assistant District Attorney Leland Propp and Barnet Huse of the State Department of Criminal Identifi-cation were in Florida to return

India Leaders Reach Accord

Gandhi Agrees to End His Fast Graphic said today Princess Elizabeth and Prince Philip have decided to decline all official invitations to visit the British Commonwealth or the United States this year.

The Graphic said the decision was reached during a recent royal family gathering.

Toie, 60 Hurt

In Italy Accident

ROME, Jan. 17 (P)—Dispatches reported that seven persons were killed and 60 injured, 19 severely, when a floor collapsed yesterday under-a crowd gathered for a funeral at Agrigento, Sicily.

NEW DELHI, Jan. 18 (U.E)—Mohandas K. Gandhi, near death in the sixth day of his fast, announced to list fact for personally responsible for the good behavior of their followers and promising that henceforth Delhi will have the peace Gandhi demands. Congress party spokesmen said the resolution would be presented to Gandhi who had enumerated a seven-point in safety.

The spokesmen said the resolution would be presented to Gandhi who had enumerated a seven-point in safety would satisfy him. These points worked with feverish zeal today (Sunday) to bring his fast for peace to a conclusion by noon of this, its sixth day.

The leaders of embattled religious communities planned to sign at 10

MEMPHIS SNOWFALL-Winter's coldest weather, which yesterday dropped the mercury to a 54-degree-below-zero reading in Wisconsin, spread into the South in a used car lot. (Story on Page 5.) **Boy Admits** Attack on Polio

Of Four Holdups

renters in the country, Dr. Vischer and, are seeking to produce policy carcine,
To produce a vaccine, scientists attempt to weaken a virus—by treating it with formaldehyde or tradiating it with formaldehyde or tradiating it with ultraviolet light to both—to the point where it will infect only slightly, just enough to convey immunity.

In addition, Dr. Gollan said scientists can use a pure policy virus.
To develop tests for polic diagnosis and for checks on immunity.
To study chemical reactions of the virus and get important clues why policy centers in the nerve cells.
To analyze the chemical composition of the virus important because that has been shown that a mild virus lifters from a dangerous one in its intentical makeup.

To get facts about the virus size, weight and molecular structure.

LIVING MOLECULES'

To rediction, or vischer to still the day of the policy of the country of the count Dattle is raging for the town of Platonos, approximately 20 air miles north of Patras in South Central Greece, it was officially reported to-night. Few details were available. The same guerrilla forces which captured and withdrew from Arak-howa a few miles to the north, are helieved to be the attackers, gov-ernment sources said.

The Index

Camera Column Contract Contacts Crossword Puzzle Financial Food Gardens Music Pink's Pickups Radio Log Society Vital Statistics

14-Year-Old Tells

FROM NEW YORK

He told police he had hitchhiked here from New York, arriving last

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WOMEN'S WORLD (S)