#### Gradual Evolution of Species Theories May Be Disproved Tension Grows May Postpone Cabinet Asks By Studies of Cell Substance

By Rennie Taylor Associated Press Science Editor

BERKELEY, Calif., Nov. 20-(A)-A cell substance never before suspected of playing a part in evolution may be responsible for the rudden origin of new species, Dr. Richard Goldschmidt, distinguished

Zoologist, reported last week. This cell material also may play a dominant role in determin-ing the sex of individuals, Dr. Goldschmidt told the National Academy of Sciences.

He said it can cause a leg to Portland Fire grow on a fruit fly in the place where a wing should be. It can make the left side of an insect female and the right side male. It can cause a female to develop a deformity which usually occurs a year after his daughter was killonly in males.

Three Year's Research Thus far its effects have been observed only on insects and worms. But it exists in the cells

of all living, things. Whether it will cause similar or even more spectacular changes in higher animals remains to be determined. The weird effects on flies and worms were obtained during three years of research by Dr. Goldschmidt and his colleagues at the University of Cali-

This tricky stuff is called Heterochromatin. It is one of the two principal materials of which chromosomes, the hereditary agents of all living cells, are made. The other principal matter is Euchroma-

The Euchromatin is the material containing the genes, which most scientists believe are potent little specks of matter in Chromosomes which transmit hereditary charactoristics from cell to cell during their growth and division.

Contradicts Theories Heterochromatin, which was first identified 20 years ago by a German researcher, supposedly played no part in genetic activity, Dr. Goldschmidt said. His report to the academy contradicts

that assumption. The conventional adea of genetie evolution is that the genes cause tiny changes in cells over a long period of time. These changes become progressively greater and more widespread until they cause a niticeable change in an arm, wing, leg or some other part of the body, or even a radical alteration of the whole individual, so that he becomes far different from his ancestors and qualifies

as a new species.

Dr. Goldschmidt believes the great evolutionary changes that produce new species occur suddenly, no slowly over a long period of time. His idea is that Heterochromatin may eventually prove be the agent capable of causing these large, sudden changes.

#### **Reserves** to Furnish Rifle Instructors

Instructors for rifle clubs proposed for Salem area high schools will be furnished through efforts of Marion county chapter, Reserve Officers association, and several communities have shown favorable reaction to the plan, Salem's military manpower committee announced Saturday. Col. Philip W. Allison was

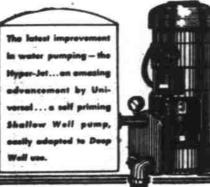
named by the ROA as chairman of a committee to arrange for instructors from that organization and from local army reserve units. W. H. Baillie of the manpower committee said the army would furnish arms, ammunition and targets for the rifle teams, among which it is hoped to establish inter-school competition.

Rube Golberg of the Philadelphia Athletics was Rabe Ruth's leading "cousin" during his major league career-Ruth hit 17 home



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## Pakistan, India French Reds

KARACHI, Pakistan, Nov. 20 -(AP)-Pakistan will have to take "appropriate military measures" unless something is done to correct few days, Defense Secretary Is-Kander Mirza said today.

He was referring to new military action by India in the Jammu area and southwest Kashmir which Pakistan considers to be a

major offensive. This offensive, Mirza said, is a violation of a resolution by the United Nations Kashmir commission, which provides that neither India nor Pakistan should take aggressive steps in the northern princely Francis Scott Weir, about 60, pe- state which mediation efforts are rished in a fire today, just about in progress.

SPOKANE, Nov. 20 -(AP)- Dr. Arthur L. Ringle, director of the state health department, said toed. Fire Ballalion Chief Raymond day that only seven new cases of R. Danford said the blaze appar- polio were reported in Washingently started in the sofa from a ton last week as compared to 18 the previous week.

out in Weir's home last December trapped by heavy smoke. upper story window, after he was in an Alaskan plane crash.

- wie of the

# **Port Strikes**

PARIS, Sunday, Nov. 21 - (AP)the situation in Kashmir within a The French press agency said to- new coalition cabinet asked parday communist labor leaders have liament tonight to give it a vote

eral port strike. made their decision after talks with | communist guerrillas. Christian Pineau, French minister finally on Wednesday.

At Dunkerque yesterday, Moroc- and be safe from overthrow. can troop seized the port area without resistance from some 2,000 waterfront strikers who had been ed the debate by outlinging plans holding the barricades for four for a relentless economic and mili-

The strikers had jumped the gun las. on the general dockworkers strike As he spoke, supporters of the originally called by the communist- Liberal - Populist Coalition were dominated general confederation of trying desperately to line up labor for next Monday.

14 ESCAPE IN CRASH PARIS, Nov. 20 - (AP) - Fourteen leader of the Liberal party, was persons miraculously escaped death | working to topple the government. tonight when a South African- Venizelos forced the resignation of owned passenger plane crashed in- the previous Liberal-Populist cabito a power station on the outskirts net a week ago, charging it had -that one starting in a chair. Fire- Last Thanksgiving day Weir's of Orly field here. Only two of the failed to crash the guerrillas, but men rescued the dentist from an daughter, Mrs. A. T. Carter, died nine passengers and five crewmen Sophoulis agreed to try again with suffered serious injuries. a similar coalition.

### New Greek For Support

ATHENS, Nov. 20-(AP)-Greece's about decided to postpone the gen- of confidence and then suspended meetings while the government The agency said union leaders launches a new program against

Parliament was asked to susof public works and transportation. pend its sessions until February

Premier Themistokles Sophoulis, leader of the Liberal party, open- a month beyond January 1 or as- ocrat. tary drive to wipe out the guerril-

enough members of parliament to win the vote of confidence. Sophocles Venizelos, deputy

WOODRY'S GREAT EVENT HELD OVER TILL THANKSGIVING

#### State Employes The Statesman, Salem, Oregon, Sunday, November 21, 1948-7 **Group Affirms** Pay Rise Plea

PORTLAND, Nov. 20 - (AP) - A

sure adoption of a new wage pro-A five point proposal drafted by neckties with gray suits, redthe wage and salary committee brown-green for brown suits and suggested upward revision of wage red-blue-gray-yellow with blue classifications allowing for an av-

erage \$10 boost. The program also suggests: A standard time-and-half overtime wage scale for Oregon state work- rate for work in excess of a 48 ers comparable to the averages hour week; standard per diem subpaid by industry and other states sistence allowances; a provisional were advocated today by the State fund set up for the state emer-Employes association's general gency fund by the legislature to permit wage and safary adjustments during the biennium period.

The council members indicated The council also heard State It added labor leaders will decide 1, during which time the cabinet that Governor John Hall may be Treasurer - elect Walter Pearson would assume legislative functions asked at tomorrow's session to in- promise "nobody will be fired for tiate a move to extend the present political reasons" when he takes cost-of-living pay benefit of \$20 office. A new treasurer is a dem-

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#### Tables, Occasional

de selection, reduced Oval Duncan Phyfe, bleached mathis sale. These will hogany, cocktal table, was \$14.95, now \$7.95.

> Modern Cocktail table, genuine Walnut veneer top and shelf, was \$10.50, now \$8.50.

Drum table, Duncan Phyfe, single this sale. pedestal Mahogany wood and finsh, was \$27.50, now \$19.

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