

## HAECKEL, GERMAN EVOLUTIONIST, DEAD

Leading Apostle of Material Philosophy 85 Years Old.

LIFE DEVOTED TO SCIENCE

Essential Unity of Organic and Inorganic Claimed—3500 New Species Named.

JENA, Germany, Aug. 9.—Professor Ernst Heinrich Haeckel, professor of zoology at the University of Jena, and famous throughout the world for his research work supporting the theory of evolution, died here today.

Haeckel was the leading exponent of evolution upon the continent of Europe, and he carried his researches far beyond those begun by either Darwin or Wallace. Some index to the influence which he had on the scientific world is furnished by the fact that his literary output amounted to some 50 scientific works, including nearly 20,000 printed pages, and that the principal editions have been translated from the original German into 15 different languages.

When a boy of only 12 years, descended from a family in which law had been the dominant profession, Haeckel indicated his choice of science as his life work by making an extensive collection and classification of flowers. He was born at Potsdam on February 16, 1834. During his high school years he prepared a botanical work for publication. But at his father's wish he took up medicine, and after study under some of the most distinguished professors of the time at the University of Berlin and elsewhere he graduated in 1860. He was continually tempted from his practice by the lure of scientific research, he finally found the path clear for him at the University of Jena, where a special chair of zoology and museum was created for him. This chair he clung to with tenacious affection from the early '60s until his retirement in 1899.

**Courage Shown in Field Work.** He spent all his life at Jena with the exception of numerous times that he left to seek a zoological harvest abroad. As a knight-errant of science, Professor Haeckel wandered over practically all of Europe, Asia and Africa, and aside from his purely scientific work, wrote engaging books of his travels. As one instance of the courageous way in which he pursued his hunt for fossils of life, unknown to him, he tells of his swimming at considerable depths in the sea to study marine life, and of receiving stings and bites from various aquatic enemies that led him up for some time with wounds.

A number of Professor Haeckel's books have been declared epoch-making, including one of his first works, "General Morphology," written when he was 32 years old and which he later enlarged upon in a work called "The Natural History of Creation." Darwin's theories on the origin of the species had been given to the world in 1859, almost a decade before the beginning of Haeckel's scientific career, and these had such an influence over him that he became the chief apostle of Darwinism in Germany. Darwin himself paid tribute to Haeckel's work by declaring, in his preface to the "Descent of Man," that Haeckel possessed in many points fuller knowledge of the doctrine of evolution than he.

**Disbeliever in Creation.** Haeckel held that there was no creation other than casual, efficient, inevitable correlation. Psychology he regarded as merely a branch of physiology, and held that every living cell had psychic properties, with the psychic life of multicellular organisms representing the sum total of the psychic function of the cells of which they are composed. Moreover, just as the highest animals had been evolved from the simplest forms of life, so the highest faculty of the human mind had been evolved from the soul of the brute beast. As a consequence of these views Haeckel was led to deny the immortality of the soul, the freedom of the will and the existence of a personal God. His religion was "Monism," a term he invented to cover his belief in the essential unity of organic and inorganic matter. Some of his views along this line he expounded in "The Riddle of the Universe." He found that the simple organisms or microbes represented a primitive condition of life not only below the distinction of sex, but also below the distinction of animal and vegetable life.

Professor Haeckel was the first to draw a genealogical tree exhibiting the relationship between the various orders of animals with regard to their one another and their common origin. In a notable paper before the International Zoological congress, in 1898, he traced the human race back to simple structureless masses of protoplasm.

**3500 New Species Named.** Skillful with oils and water colors, Professor Haeckel produced a great number of original plates with which his works were illustrated in color. In his studies of "radiolaria," his initiative in nomenclature is seen where he described and gave names to more than 3500 new species. His two large volumes on "Calcareous Sponges," published in 1872, constituted one of his greatest scientific works. Among others that were of such importance as to find their way into foreign languages were his "Pedigree of Man," "Pleasure in Science and Teaching," "Life in the Deep Sea," "The Origin and Development of Tissues of Animals," the "Constitution of Faith of a Man of Science," "The Wonders of Life," and "Last Words on Evolution," the last named appearing as recently as 1906.

## WAR MADE ON HIGH PRICES

(Continued From First Page.) announced that on Monday he would appoint a special subcommittee which would be empowered to frame tentative bills covering such recommendations of the president as might be approved.

The senate committee's work on railroad legislation, Senator Cummins stated, has advanced to such a stage that he had drafted a tentative bill outlining his views for the subcommittee's consideration and enactment. It was understood to embody suggestions from a score of plans submitted to the committee.

**Federal License Opposed.** Suggestion by the president for federal licensing of all corporations engaged in interstate commerce and for extension of the food control law met with the greatest opposition in congressional circles. Many of the opponents of the league of nations in the senate criticized the stress laid by the president on early ratification of the peace treaty, some of them declaring there was no connection between ratification and the cost of living.

New steps by the executive departments of the government to reduce the cost of living were expected today to be started at once along lines laid down by the president who promised

immediate steps to limit and control wheat shipments and credits so as to facilitate the purchase of wheat with a view to lowering the price of flour to sell surplus government stocks of food and clothing and to force withdrawal of foodstuffs from storage.

**War Department Lists Prices.** Coincident with the president's appearance before congress, the war department announced the prices at which its surplus food stocks would be sold. Price lists are to be sent to postmasters throughout the country, through which the consumers may place their orders beginning August 18. Under the department's price list, the consumer will be able to buy bacon for 25 cents a pound, baked beans for 5 cents a pound, flour at \$6 per 100 pounds and other commodities at correspondingly low prices.

Domestic problems now facing the country may be taken up directly with the people by President Wilson during his forthcoming trip in the interest of the peace treaty. This was indicated today at the White House, where it also was said that plans for the president's tour were going forward.

Municipalities of New York state were granted permission by the war department today to purchase surplus army food stocks immediately, awaiting distribution for the food through the parcels post allotment system.

**MINNEAPOLIS, Aug. 9.**—Flour milled from the new 1919 wheat crop was quoted here today at \$1.25 per barrel lower than that of the old crop. In 95-pound cotton sacks flour sold at \$11.50 a barrel, with freight from Minneapolis to be added.

**TACOMA, Aug. 9.**—Following reports from his special investigations of the dairy business here, Prosecutor William D. Askren today declared he has evidence pointing to profiteering in court proceedings against 15 dairies that have raised prices in the past week from 12½ to 15 cents a quart were posted by Mr. Askren.

"My reports show that no producer is getting more than 30 cents a gallon for milk," he said, "and many receive but 25 cents. However, the dairy distributors sell it for 60 cents a gallon. The recent rise in milk was said to be based on higher prices paid by the dairies. I find that the condensers raised two cents a gallon and at once the distributors advanced their prices 10 cents a gallon."

**PHILADELPHIA, Aug. 9.**—Charges that shoe retailers are profiteers, as made in a report of the federal trade commission, were denied today in a statement by A. H. Geuting, president of the National Shoe Retailers' association. He said that the shoes sold at from \$2 to \$12 a pair instead of higher prices, he said.

**WASHINGTON, Aug. 9.**—Under an arrangement with the war department, worked out today, the entire allotment of surplus army food stores for New York state probably will be taken up by the sixty or more municipalities of that state for distribution and there will be no parcel post sales by other federal agencies in the state.

## PARLIAMENT TO SEE TEST

Wireless Telephony and Telegraphy Will Be Tried Out Monday. (Copyright by the New York World. Published by arrangement.) LONDON, Aug. 9.—(Special Cable.)—To prove recent progress in wireless telephony and telegraphy, demonstrations for the benefit of the members of both houses of parliament will be held Monday at Westminster.

A wireless telephone station is installed in one of the committee rooms and the members will be able to listen to gramophone tunes and speech transmitted by wireless telephone from the royal air station about 20 miles from London. They will be able to select the tunes they wish to hear and to give instructions to the transmitting station to gramophone tunes and speech transmitted by wireless telephone from the royal air station about 20 miles from London. They will be able to select the tunes they wish to hear and to give instructions to the transmitting station to gramophone tunes and speech transmitted by wireless telephone from the royal air station about 20 miles from London.

## COUNTY EMPLOYEES RAISED

Workers at Spokane to Get \$15 More, Effective at Once.

**SPOKANE, Wash., Aug. 9.**—(Special.)—All county employees except those receiving board at the county poor farm and Edge Cliff sanatorium, will receive a \$15-a-month increase in salary, beginning August 1.

On account of an emergency shown to exist because of the high cost of living, the increase was made effective this month. Heads of county departments stated at the meeting their deputies were paid less than city employees for similar work and it was only fair to equalize the wages of county and city clerks. The rise does not effect the salaries for elective offices.

## YAKIMA TO EMPLOY 1000

Average Wage in Pear Warehouses to Be \$30 a Week.

**YAKIMA, Wash., Aug. 9.**—(Special.)—Yakima fruit men have estimated that 1000 persons will be employed in the warehouses along Yakima's produce row next week, when the pear harvest will be in full swing.

The employments will total approximately \$30,000. It is estimated that the average wage paid in the fruit warehouses this season will be \$30 a week.

## German Mark Hits Low Point.

**BERLIN, Aug. 8.**—(By the Associated Press.)—German marks, the value of which has been steadily falling recently in neutral countries surrounding Germany, reached their lowest point in history in Switzerland yesterday, being quoted at 33 centimes instead of the peace price of 125 centimes.

## "NOW"

Never before was that word more important to lovers of fine

## Oriental Rugs

Prices have largely advanced in the Orient and most people are buying now before the increases are felt here. Our expert will gladly care for your storing, repairing and cleaning.

**Atiyeh Bros.**  
TENTH AND ALDER  
Largest Oriental Rug Dealers in the Northwest.

## NINE FLYERS TO TRY COAST-TO-COAST HOP

Pathfinding Squads of Planes Will Start West Wednesday.

PORTLAND ON ITINERARY

Purpose Is Recruiting, Education and Military Information. Distance 1183 Miles.

**MINEOLA, N. Y., Aug. 9.**—Nine biplanes, known as the "All America Pathfinders," will start on a flight from Hazelhurst field to San Francisco next Wednesday under the auspices of the war department and the air service. The itinerary embraces stops at 171 cities in 15 states and covers 4183 miles.

The object of the flight includes an educational campaign designed to show the people the actual workings of an air squadron; recruiting for every branch of the military; information for the air service; advantage of establishing radio stations along the route; testing aerial radio phones and obtaining information on which to base recommendations for the placing of steel hangars.

Base stops are scheduled for the following cities along the itinerary: Philadelphia, Harrisburg, Pittsburg, Columbus, Indianapolis, St. Louis, Rantoul, Ill.; Chicago, Milwaukee, Minneapolis, St. Paul, Fargo, Jamestown, N. D.; Bismarck, Miles City, Great Falls and Helena, Mont.; Wallace, Idaho; Spokane, Seattle, Tacoma, Wash.; Portland, Salem, Eugene and Jacksonville, Ore.; Redding, Sacramento and San Francisco, Cal. The squadron will fly directly from here to Columbus, at which city it is expected on August 18.

The biplanes are equipped with high-powered aeronautical motors designed to facilitate pathfinding and research. A convoy, consisting of motor trucks, observation and touring cars and motorcycles, will follow the route taken by the air squadron and transport equipment.

Communication between the airplanes and the cities at which stops are to be made will be established by means of radio telephones and wireless reports to the flight will be sent to Washington. The unit, including the aviators, will consist of 22 officers and 80 enlisted men.

## GERMANS ARM BOLSHEVIKI

Territories Awarded Poland Denuded of Crops, Says Report.

**PARIS, Aug. 9.**—A dispatch to the Havas agency from Warsaw says: "In addition to exporting everything belonging to the government from the territories awarded Poland, contrary to the peace treaty terms, the Germans have made preparations to export into Germany this year's crops."

"Arms and munitions are being sent wholesale to bolshevik Russia by the Germans. They also are sending instructions for the red army and movements of troops effected with the object of strengthening the anti-Polish bolshevik frontier."

## Eagles to Fraternize.

Members of Portland aerie No. 4, Fraternal Order of Eagles, have been invited to meet with the Columbia aerie of Vancouver, Wash., on Thursday evening, and are planning to take a large delegation on this fraternal call. The session in Vancouver will be held at the Old Soldiers' hall.

## Spokane Calls Baltimore Professor.

**SPOKANE, Wash., Aug. 9.**—Appointment of Dr. Thomas Moss of Baltimore to be professor of music at Whitworth college here was announced today.

## To students of Psychology, "Higher Thought," Metaphysics, Theosophy, Human Nature, etc.:

Lecture-Service by Walter Newell Weston LL. M.

Psychologist, Metaphysician, Author

At Hotel Multnomah (Mezzanine Floor)

Sunday, Aug. 10, 8:15 P. M.

Subject: "How to Live"

Music. Public Invited. (No admission fee.)

## There Is One SAFE PLACE to buy your piano

We sell Knabe, Baldwin, Autopianos, and other standard instruments. We give terms.

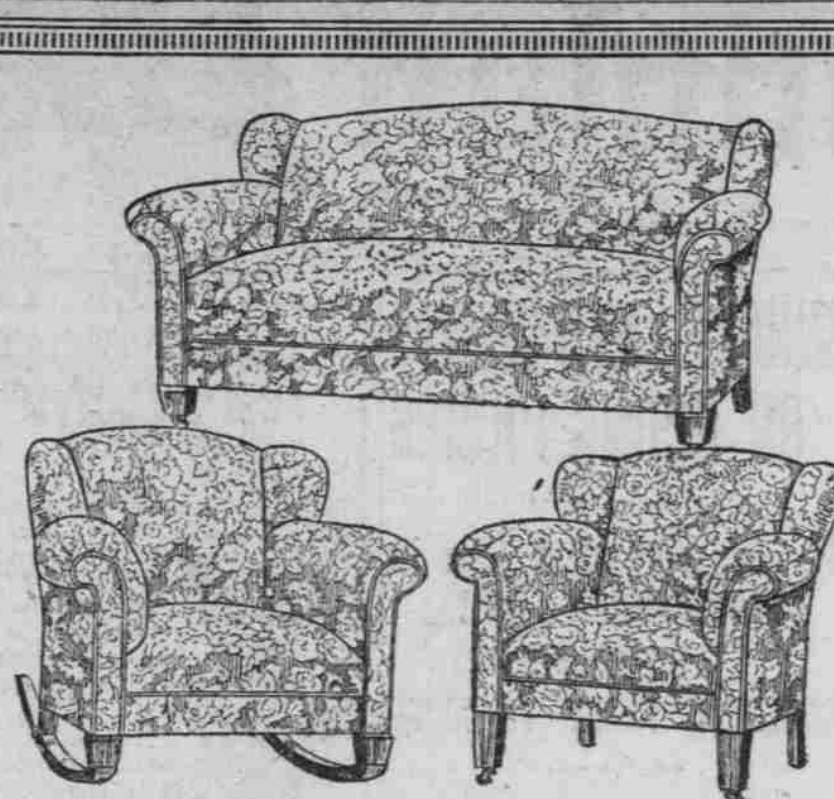
**Sipman Wolfe & Co.**  
"Merchandise of a Merit Only"  
Sole Knabe Representatives

## Cork Tilings and Linoleums

CORK FLOOR PRODUCTS CO.  
202 Broadway, Near Taylor

## CORONA

The Personal Writing Machine.  
\$50.00 WITH CASE  
E. W. PEASE CO.  
Exclusive Distributor  
110 Sixth St.

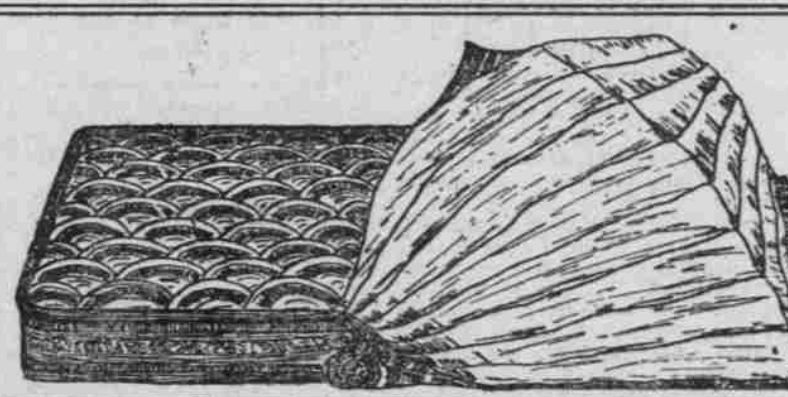


## What You Can Do in Your Own Home

Come when you please. Go when you please. Eat when you please. Eat what you please. Have company when you please. Have for company whom you please. And a lot of more good things. And it's just about as cheap to have your own little home as it is to pay board for two and rooms for two, or to live in the so-called "light housekeeping" rooms. Don't feel a bit bashful about coming in and talking things over. Other couples have been doing it day after day, and they're glad they did.

See the 3-Room Outfit that's in the Fifth street window, today and you'll get a fair idea of how little the cost of furnishing a home of your own really is.

Tom Edwards



## A SALE THAT COMMANDS YOUR ATTENTION

Inlaid Linoleum \$1.75 Sq. Yd.

Several rolls that were purchased many months ago arrived just recently. Choice designs in good colors. While they last you may select at "The six-months-ago-price."

There are two of the easy-to-clean Granite Patterns in the lot—better select yours early.

## Healthful Heat

That's the kind you want—without circulation air cannot possibly be pure. That's why

## Homer Pipeless Furnaces

HAVE THIS Thermo-Seal Inner Lining

If heat passed between the warm and cool-air passages there would be no circulation.

Arrows in the illustration show how the cool air goes down and ascends between the firepot and the thermo-seal inner lining.

Then, too, Homer Pipeless Furnaces have a two-funnel heat radiator over the fire pot, which consumes every particle of fuel; does not let the heat part go up the chimney.

## No Such Thing as Failure When Baking in the

Monarch

Time Saver Labor Saver Fuel Saver

Because Monarchs are built of malleable iron, which heats quickly; they're riveted tight (not bolted), have duplex drafts to distribute heat evenly, non-rusting vitreous enamel flue, oven and inside wall linings.

Blue Miroc tops require no blacking and the plain nickel trimmings are easily cleaned.

Select either leg or cabinet base style with four or six-hole top and 15, 17, 19 or 21-inch oven. Any size Monarch gas attachment will fit any size Monarch range, too.

Edwards will take your old stove or range as part payment and arrange convenient terms on the balance.

## BEHOLD—YOUR CREDIT IS GOOD AS GOLD!

SELECT ONE SINGLE PIECE OR A HOUSEFUL—IT'S EASY TO PAY THE EDWARDS WAY—A GOOD PLACE TO TRADE

**EDWARDS CO.**  
FIFTH—OAK STREETS  
JUST TWO BLOCKS NORTH OF WASHINGTON

## This Genuine Leather Overstuffed Pullman Revolving Seat

Bed Davenport, Arm Chair and Arm Rocker

\$264.00

\$30 Cash—\$4 Week—No Interest

It's a wonderful suite—twill save space, rent and trouble. Spring in the Davenport's Link Fabric, just like the ones used on brass beds. It does not interfere with the comfort in the seat because the seat springs are separate from the bed spring, which folds underneath.

Arm Chair and Arm Rocker match the Davenport perfectly in design, have the same kind of spring seats and backs. The coverings are also the same (genuine leather), making a perfectly matched suite. See it tomorrow on the third floor.

Not Only a Phonograph—But the Phonograph With an Oval Horn Is What You Get When You Select

**The Brunswick**

Model Illustrated, with Nine Double-Disc Records (Eighteen Selections).

\$132.65

\$15 Cash—\$2.50 Week—No Interest

Not only the Oval Horn, but the famous "Ultona" (Oversized Brunswick Reproduction that plays all records) as well, in an attachment you get with the Brunswick illustrated.

Makes no difference—your taste may be for classical or for ragtime—The Brunswick plays them at their best.

It's a h-o-g-a-n-y, waxed Oak or F-m-d Oak—which will you have?

FELTED COTTON, GUARANTEED NOT TO LUMP

## 50-Pound Sleepwell Mattresses

\$18.75—\$23.50—\$29.50

\$5 Cash—\$1 Weekly—No Interest

Sleepwell Mattresses bear the "Oregon-Sanitary-Bedding-Law-Tag," which guarantees that it contains 100% New, Clean and Perfectly Sanitary Materials.

No one should buy any mattress that does not bear a "Sanitary-Bedding-Law-Tag"—Get Edwards' Sleepwell and you're safe.

## The Crystal Swinging Wringer

The clothes are wrung from the inside out—the clothes wringer.

—most from the inside out—the clothes wringer.

—most from the inside out—the clothes wringer.

## Crystal

Electric Washer & Wringer

Has Made It Possible and Economically Advisable for You to Discard the Antiquated Washtub That Injures Your Health.

See This Wonderful Machine Demonstrated in the Fifth-Street Window This Week

—and you'll at once free yourself of the Muck and Fuss and Grind of Blue Monday.

—Instead of laboring hard until noon with your weekly washing, you'll do it in less than half the time and do your morning housework too.

—The Daintiest Laces and Linens are washed without harm—running in one direction the Crystal Cylinder forces the water and steam through and cleans the Coarsest as well as the finest fabrics without rubbing.

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