

The government says that our feathered friends should be preserved and anyway some queer birds get into Congress.

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**SEALED PROPOSED ADVERTISEMENT**

Sealed proposals will be received at the office of Perkins, Fellows and Hamilton, Architects, 814 Tower Court, Chicago, until 2 p. m. Monday, January 22, 1923, for the construction of Additions to Lincoln School Building, Green Bay Road, Oakwood and Lincoln Avenues, Highland Park, Illinois, for the Board of Education of School District No. 108, of Lake County.

Proposals for general construction will include Masonry, Carpentry and Structural Steel.

Separate proposals will be received for Architectural Iron, Plastering, Sheet Metal and Roofing, Painting and Finishing, Terrazzo Floors, Glazing, Steam Heating, Ventilation, Plumbing and Sewerage, Heat Regulation, Electrical Work, Ash Hoist.

A certified check of 3% made to the order of the Architects, or a bidder's bond by a recognized surety company, shall accompany each proposal as a guarantee of good faith.

Plans and specifications may be obtained from the Architects by application accompanied by a deposit of \$10 for each set.

The Board reserves the right to reject any or all bids.  
(Signed) George L. Vetter,  
Secretary.

**FARMERS INSTITUTE THREE-DAY MEETING**

Held at Antioch, Yorkville and Wauconda This Week Has Good Program

The Farmers' Institute is holding a three-day meeting commencing Jan. 17. The opening meeting was held at the Antioch high school. Mr. Carl C. Walker spoke on "Soy beans, a crop which is proving to be a valuable crop for this section." The household science work was in charge of Mrs. Mary Boal.

The second meeting takes place at Yorkville church with a program as follows: Forenoon—Speaker, Mr. Hewitt. Evanston; highways, Mr. Russell. Afternoon—Soy beans, importance and growing, Carl C. Walker; household science, Mrs. Grave Viall Gray. Dinner will be served by the Yorkhouse Ladies' Aid.

The Jan. 19 meeting will be held at Wauconda with the following program: Forenoon—Dairying, R. E. Caldwell; beef cattle, J. J. Doerschuk. Afternoon—Soy beans, importance and growing, Carl C. Walker; The duties and responsibilities of the woman today, Mrs. Grace V. Gray. Evening—The ideals and achievements of American agriculture, Wm. E. D. Rummell.

**GREAT DISCOVERIES OF PAST TEN YEARS**

ACCORDING TO SCIENCE

Experts Declare There Exist Five Outstanding; Great Benefit to Mankind Is Explained

What are the five greatest scientific discoveries that have been made in the past decade?

Three members of the executive council of the American Association for the Advancement of Science, recently meeting in Boston and Cambridge, considered the question. The three scientists are Dr. Daniel T. McDougal, head of the department of Botanical research of the Carnegie Institute and secretary of the association; Dr. W. J. Humphreys of the United States Weather Bureau at Washington, and Dr. Henry B. Ward, professor at the University of Illinois.

**Five Great Discoveries**

- 1. The discovery of the "bearers of heredity."
- 2. The definite measurement of certain stars.
- 3. The development of the insulin treatment for diabetes.
- 4. The discovery of the multiplicity of the atom.
- 5. The discovery of the constitution of animal matter.

The "bearers of heredity" are the particles which transmit characteristics from parents to offspring, it was explained.

**Measured Stars**

The second greatest discovery is the definite measurement of certain stars. The conspicuous example of this measurement is the star Betelgeuse, which was recently found to be so enormously large that the sun and all the planets could be tucked away inside it.

The insulin treatment, third on the list of greatest discoveries, bids fair to remove one of the greatest scourges of humanity, until now believed to be incurable—diabetes.

Working on this clue, Dr. J. J. MacLeod of the University of Toronto began a study of the pancreas, which at last resulted in a serum, known as insulin, which is a proven cure for the disease.

**Jolt for Scientists**

The multiplicity of the atom, fourth greatest discovery, has given scientists a jolt. The atom, the smallest part of matter, has long been regarded as always the same. Yet experiments carried on by two men in the Cavendish laboratory in England have disclosed the fact that there are two kinds of chlorine atoms and two kinds of lead atoms, and further research may show that other elements have more than one kind of atom. In the case of chlorine, the two types of atoms have been separated.

The discovery of what our bodies are really made of is the final one on the list.

**STAINLESS METAL PROCESS IS NEW**

Another discovery has been made in Sheffield, England, which bids fair still further to revolutionize the production of stainless articles, no matter of what metals they are made. It is a process of electro-deposition of chromium, and if the results which have been obtained in experiments are borne out in practice there are no limits to its uses.

The discovery hinges in part upon the discovery of stainless steel. Stainless steel obtains its chief quality from a percentage of chromium which is put into the steel furnace and becomes part and parcel of the steel produced.

The latest discovery makes the exterior of the treated article stainless and permits of a high polish being produced. It is claimed that it is cheaper than stainless steel, particularly in the production of articles of fair size, such as stoves, fireirons, stair and curtain rods. The surface of the treated article is very hard, and the deposit is not likely to wear off.

This is the fourth invention of the kind in Sheffield in comparatively recent years. Not very long ago there was successfully applied to the production of spoons and forks and similar domestic articles the invention of a new nickel alloy which tarnishes or stains in ordinary use.

They are all designed to help solve the problem of lightening domestic drudgery.

**BUILDING BOOM IN WINNETKA IN 1922**

Evidence that Winnetka is experiencing a steady and uninterrupted growth was brought to light last week when Erwin Dames, superintendent of public works, made public a compilation of the building permits issued in 1922. The report showed a total of 377 permits for the past year as against 314 for 1921, 290 for 1920 and 166 for 1919.

Not only was there a big gain in the number of permits issued for 1922 but there was also a surprising total for the combined value of the buildings erected in the past twelve months. Buildings authorized in the 377 permits represented a total estimated cost of \$2,588,000.

**Your Last Chance!**

**Friday and Saturday, January 19 and 20**

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Sundays 2:00 to 6:00 p.m. for reading only.

Maintained by, First Church of Christ, Scientist, Highland Park. Services are held in the church edifice, 381 Hazel avenue. Sunday morning at 10:45. Sunday school at 12:00 o'clock noon. Wednesday evening Testimonial Service at 8:00 o'clock. You are cordially invited to attend these services and to visit the Reading Room.

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