

**BEAN SUITS, WHALE STEAKS — SCIENCE MARCHES FORWARD**

Dollar suits from soy beans, synthetic rubber from tomato peel, cloth from the bark of the mulberry tree, roads paved with molasses, roofing materials in camouflage colors, whale as an article of diet, colored asphalt, gold-plated silk fabric, an artificial silk made of rosin.

These are only a few of the 1938 accomplishments of industrial research, here and abroad, as reviewed by Dr. W. A. Hamor, assistant director of Mellon Institute, for the American Chemical Society. The review appears in the current issue of the Society's publication.

Dr. Hamor states that "the year has been exceptionally productive almost everywhere." His review indicates that the search for new materials and processes has been exceptionally active in Germany, Italy and Japan.

The soy bean suit is a Japanese development. The dollar cost of the suit covers only the cost of the cloth, but that is cheap. A Japanese scientist, of preparing fibers from the proteins Ryohei Inouye, discovered the method of soy bean cake, and the process now has been industrialized.

Italy is the producer of tomato peel "rubber," and of the new textile fiber made from mulberry bark. India is testing a mixture of molasses, coal tar and acid as a road surfacing material, and is also trying molasses as a remedy of nitrogen deficiency in soil.

House roofers materials in camouflage colors are among new building materials being introduced in Germany. The colored asphalt road surfacing material is also a German development.

Germany has found ways to use whale oil as an edible fat. Japan is trying to introduce whale steaks as a substitute for beef. "Its unpleasant odor is a handicap," Dr. Hamor comments.

The gold plating of silk fabric is a British idea. The Britons have also succeeded in weaving aluminum into cloth.

The United States—to be more specific, the duPont Organization—is the creator of the new resin silk. The resin is called "Exton." It is manufactured in the form of a plastic dough. The dough is now being pushed through tiny holes to form artificial bristles for tooth brushes. To make silk of the "Exton," the du Pont group is building an eight million dollar plant in Delaware.

Other American developments cited by Dr. Hamor include:

The finding of new uses for fiber glass, rubberized glass fabric and glass wicking. Glass "wool" was introduced as a garden mulch. Use of the tempered glass "Herculite" was extended to doors and roofs, and glass blocks for building construction were produced at Port Allegheny, Pa.

"Orel," a non-petroleum lubricant was invented by du Pont chemists. "Hormodin A" was introduced as a preparation for inducing root growth in plant cuttings.

New paper mills were started in the South to utilize the abundant southern pine under a recently-developed process.

A process was discovered for ma-

**Herb Merchants Mark 50th Anniversary**



Uncle Charlie and Aunt Lena, "yarb" merchants, who for 50 years have brought their ancient natural medicines to the curb market at Winston-Salem, N. C., are doing at least average business. Sassafras, hemlock, mandrake and "John de Conqueror" root are among their wares. Many of the roots, leaves and barks are ingredients in magical formula of southern Negroes.

king all-wool blankets and socks non-shrinkable.

The possible use of plastics for large molded parts of autos, airplanes and railroad cars was being investigated.

Down in Brazil they found a way to make paper from bamboo, and are doing extensive research work to find uses for surplus coffee. Main attention is being given to the coffee oil.

British scientists found a way to keep silver from tarnishing. They apply an invisible coating of aluminum oxide or beryllium.

Canadian fish oils were studied as substitutes for vegetable oils in paint manufacture. The concentration of fruit juices by freezing was investigated.

The British started to use "dry ice" in undertaking establishments for the preservation of bodies before burial. They also began a study of the use of the chemical "Neocryl" as the treatment for syphilis and African sleeping sickness.

The Dutch made agar-agar from Java seaweed. The French also tried to find uses for seaweed at a laboratory in Cannes.

Sweden was experimenting with a new building material made of blast furnace slag and coal ashes and was making clothing to protect wearers from poison gas.

Germany was making cellulose, gas and increasing quantities rubber from coal. Italy expanded its use of casein in the manufacture of fabrics.

In Hungary, disintegrated leather was being proposed as an addition to concrete, and pulverized maize ears as a filler for soap. Tomato skins were being tested in sheep food.

Oil from the shells of cashew nuts was found to be a good material for killing mosquito eggs in India. In that same country, it was found that red palm oil is a good substitute for cod liver oil in some cases. A process was

developed for mixing castor oil with mineral oils for use in internal combustion engines.

**EMPLOYEES AWARDED CERTIFICATES FOR ACCIDENT PREVENTION**

Employees of the Pennsylvania Edison Company, who during 1938 experienced no accidents resulting in lost time, were awarded honor certificates at the safety meetings held during the month of January.

A special honor certificate was also awarded to those departments and divisions of the company whose respective employees did not experience a lost time accident in 1938. A few months ago the employees of the company were the recipients of trophies awarded by the National Safety Council and the Pennsylvania Electric Association for outstanding safety records during a twelve month contest period. These awards have proved quite an inspiration to the employees of the company and it is hoped that the results in 1939 will permit the employees of the company to again win the same two contests.

**BITUMINOUS HEARING PLANNED JANUARY 31**

Washington.—The Coal Commission has announced it will conduct a hearing January 31st on proposed rules governing soft coal distributors who allow discounts and price allowances from bituminous coal producers.

Under the Bituminous Coal Act the commission is authorized to prescribe the maximum discounts and price allowances producers may make for such distributors as farmers' cooperatives.

A parallel hearing on discounts and price allowances, however, has been in recess.

**MEDICAL SOCIETY TELLS SOME FACTS ABOUT THE TREATMENT OF CANCER**

Since time immemorial man has wondered about cancer.

Philosophers, theologians, scientists, and clinicians have studied it.

Cancer has been attacked by everything from witchcraft to surgery.

What is cancer? It is a change within the cell itself. It is probably a disturbance of the intracellular chemical balance.

This disturbance causes the cell to grow and multiply without consideration for its function nor for its anatomical boundaries.

The cancerous cell is able to flourish on less oxygen than is needed to maintain the life of the normal cell.

Two factors are known to be necessary to produce experimental cancer. First—there must be an outside irritative factor.

This may be physical or chemical, and must be applied over a considerable portion of the life span of animals.

Second, there must be an inherent susceptibility to cancer.

This has been demonstrated through the inbreeding of mice.

Cancer grows without regard for physiology or anatomy.

It spreads by continuous invasion of surrounding structures and by metastasis, or transference from one organ to another not directly connected with it.

There has been discovered no form of active or passive immunity to cancer.

Cancer cells are more readily destroyed by radiation than are normal cells, hence this form of treatment is used on many cancer victims.

Surgery is frequently relied upon to remove cancerous growths.

The best time to do this is when a growth is first noticed. Delay in diagnosis and treatment of cancer is tragic.

Chromium plating with improved adhesion of electroplated deposits is reported possible after use of a new cleaning material which has a chromic acid tolerance much greater than used heretofore.

**EBENSBURG GARAGE DAMAGED BY TRUCK**

Approximately \$2,000 damage resulted to the Oliver O'Hara Motor Sales Garage on East High Street when a heavily-laden tractor-trailer backed through the wall about 10:30 o'clock last Friday night. The tractor-trailer, in charge of P. R. Futcher of Larimer, Westmoreland County, was proceeding west up a slight grade when the rear axle in the tractor broke.

The heavy vehicle started to back down the grade and the trailer veered to the left, plunging through the wall of the garage and coming to a stop partway in the garage. Breaking of the walls also weakened the roof of the garage and it is believed that the roof may cave in when the trailer is removed. The vehicle is owned by the Helm New York-Pittsburgh Motor Express Company.

**NURSES ALUMNAE OF MINERS HOSPITAL HAS ELECTION OF OFFICERS**

Miss Sophia Kortz of Barnesboro, was reelected president of the Nurses Alumnae Association of Spangler Hospital at the annual banquet of the group recently in the Brandon hotel.

Other officers are Mrs. Ethel Burley, vice president; Miss Mary Charlesworth, secretary and Mrs. Mildred Harvey, treasurer.

The next regular meeting will take

place on February 7th, at the Nurses Home at the hospital.

**Administratrix's Notice.**

Notice is hereby given that Letters of Administration upon the estate of Frank W. Cunningham, late of the Township of East Carroll, Cambria County, Pennsylvania, deceased, having been granted to the undersigned, all persons owing said estate will please make payment and those having claims or demands against the same will present them, properly proven, for settlement.

Adaline Cunningham  
Patton R. D. 1, Pa., Box 309,  
Patton, Pa.  
William F. Dill,  
Attorney for Administratrix,  
Barnesboro, Pa.

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**J. EDW. STEVENS**

FUNERAL DIRECTOR

**KNOWN BY SERVICE**

PHONE SERVICE, Day 31-M., Night 31-J.

**Winter's Not Nearly Over**

Some of the weather of the past week or two rather vividly brought home to us the fact that Cold Weather may visit us for quite a spell—and the need of good, warm, stylish clothing can be utilized to great advantage. And we've SUBSTANTIALLY REDUCED the prices on all our winter merchandise. You'll find that on the price tags in every winter-wear garment or accessory in our store. COME and SAVE! The following prices and items are just a few picked at random. There are scores of others.

- • •
- YARNS Odd lot of Yarns, One ounce ball for ..... **15c**
- • •
- SWEATERS Odd lot of Children's Sweaters, reduced to 69c and ..... **29c**
- • •
- DRESSES All Winter Dresses, reduced to \$5.00, \$3.00 and ..... **\$2.00**
- • •
- DRESSES Girls' Cotton Print Dresses, 3 to 6 years, reduced to 69c down to ..... **29c**
- • •
- DRESSES Girls' Cotton Dresses, 8 to 16 years, prices now \$1.29 down to ..... **49c**
- • •
- HATS Winter Hats drastically reduced, 95c, 49c and ..... **29c**
- • •
- COATS Ladies' Winter Coats, priced now from \$14.95 down to ..... **\$4.95**
- • •
- COATS Children's Winter Coats, reduced and priced at from \$6.95 down to ..... **\$1.95**
- • •
- KNIT CAPS Girls' Knit Caps, priced now at ..... **29c**
- • •
- KNIT CAPS Girls' Knit Caps, with Ear Muff, at ..... **49c**
- • •

**Fannie C. Wetzel, Carrolltown, Penna.**

**SEIBERLING TWO TREAD AIR COOLED TIRES**

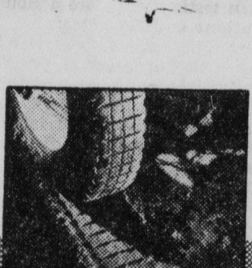


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