

AGRICULTURAL SCIENTISTS PICTURES WORLD OF "NEMAS"

What the world would be like if all the mineral and plant features were removed and all the animals swept away with the single exception of the nemas is pictured in a pamphlet just issued by the United States Department of Agriculture as Separate 942-Y from the Yearbook for 1926, Nemas, or nematodes, are ordinarily known to laymen when they are known at all, as roundworms. But most of them are not generally known or recognized. Many are microscope in size—as small as one two-hundred-and-fiftieth of an inch in length—and most live in places well hidden from casual view. But the nemas are among the most abundant and widespread forms of life.

So abundant are they, the writer says, that "if all the other matter in the universe could be magically swept away and we could then as disembodied spirits revisit these scenes we should find them still recognizable. There would still exist in space a hollow sphere, the size of the earth, represented by a surface film composed of the nemas formerly inhabiting the mundane soils and waters, plants and animals. We could recognize lakes, rivers and oceans by the nemas peculiar to them. So, too, we could recognize the soil and tell where there had been one kind of soil and where another. We could recognize the cities by accumulations of nemas peculiar to human beings and domesticated animals and plants. The trees would still stand in ghostly rows along the streets, represented by the nemas that once inhabited the bark of their trunks and branches."

In recent years scientists have been studying the nemas with increased interest and are learning many things about them. One feature of the nemas is the great difference in relative size of the representative group. Some are no more than four one-thousandths of an inch in length, others several feet long. If there were a comparative difference in size vertebrate animals the largest would be a good fraction of a mile long instead of about a 100 feet long, as is actually the case of the largest fossil remains discovered.

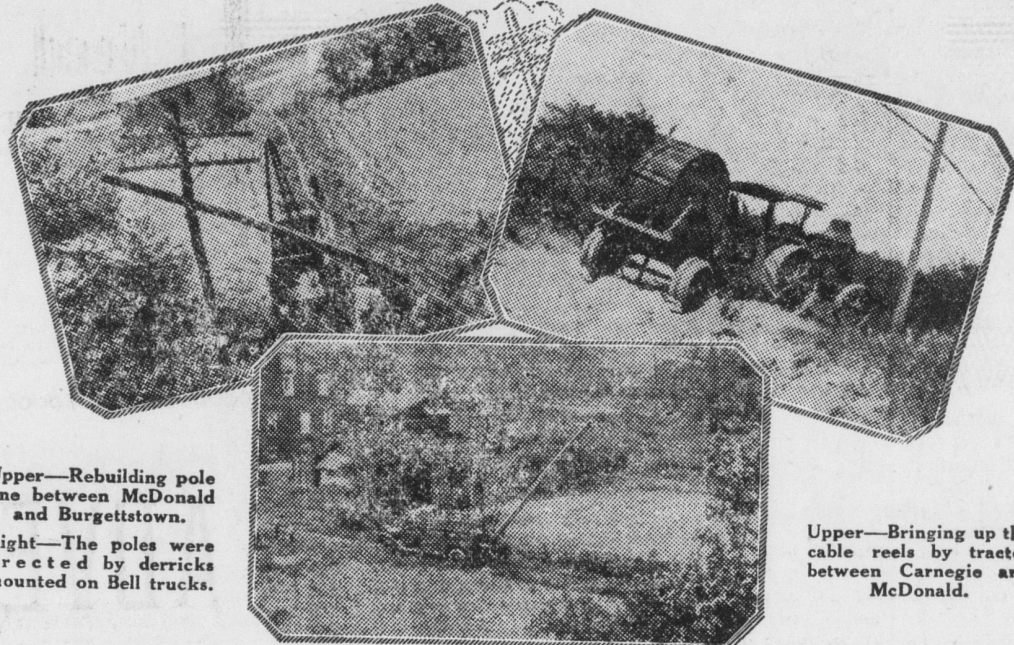
Nemas are economically important because they cause some of the most destructive diseases of plants and animals. The pamphlet outlines several of the new developments in nematology, gives brief descriptions of the complex structures found in even the tiniest nemas, describes the widespread of their existence, and suggests the biological significance of the phylum, and the conception of their relations with other forms of life.

A limited number of copies of Separate 942-Y are available for distribution to those interested and may be obtained on application to the Department of Agriculture, Washington, D. C.

We're at your service when you need job printing.

Installation of New Bell Telephone Cable in Western Pennsylvania is Engineering Feat

About 6000 Miles of New Wire at a Cost of \$200,000 is Being Rapidly Constructed the Mountainous Region West of Pittsburgh



Upper—Rebuilding pole line between McDonald and Burgettstown.

Right—The poles were erected by derricks mounted on Bell trucks.

Upper—Bringing up the cable reels by tractor between Carnegie and McDonald.

By C. J. MCINTYRE

Over the wild and hilly districts of Western Pennsylvania and traveling almost due west from Pittsburgh goes the new telephone cable which is being placed by the Bell Telephone Company of Pennsylvania at a cost of approximately \$200,000. Glinting in the sun on mountain tops in some places and through gloomy woods and rocky gorges in others, the new cable which will form an ultimate link in the system of telephone communication between Pittsburgh and Steubenville, Ohio, is being constructed under great natural handicaps. Modern construction machines and equipment are being used to rapidly overcome obstacles which would have tried the patience of the pyramid-building Egyptians.

Carnegie and Burgettstown, both in Pennsylvania, are the terminals of the new link of cable. While the distance from one terminal to the other is but twenty miles, the natural disadvantages of this rocky and hilly region to all types of pole line construction have contributed to making the installation of the cable a remarkable engineering feat. There is also need for protecting the telephone wires from the effects of the high-tension electric wires and the burning culm banks found in this region.

About six thousand miles of copper wire will be installed. It will be used for replacing all telephone lines now in place between the terminal towns and will also provide additional lines for new telephones and more toll lines in the section. Nothing but a heavy cable would be adequate to satisfactorily handle the great volume of telephone calls that every day pass over

these wires from Pittsburgh to points west. The intervening country between Pittsburgh and Steubenville has been growing rapidly of recent years and the weather marks on the horizon indicate that this growth will be continuous in the future. Additional wires in the new cable will take care of this growth for a long period.

While the greater demands for telephone service are a large factor in the placing of the new cable, the present construction will also enable the Telephone Company to replace the open wire lines and the older cables now in use. In the section between Carnegie and McDonald the present cable, which has been in use for several years, will be taken down and replaced. While the older cable is still able to adequately serve its purpose the time is not far off where a continuation of the old lines might cause a let-down in the high standard of Bell telephone service and a consequent inconvenience to telephone subscribers.

The open telephone lines between McDonald and Burgettstown also have about reached their capacity. It is felt by telephone officials that cable is preferable in this section and the old lines are accordingly being removed and replaced by the new construction. Cable will protect the telephone lines from the effects of the many high-tension electric wires in the area and is a more substantial insurance against injury to the telephone plant from storm causes.

H. L. Miller, the construction foreman who is in charge of the work for the Telephone Company, estimates that about 4000 miles of toll wire

and 2000 miles of wire connecting with subscribers' telephones will be placed. This is sufficient to build a complete single line from Pittsburgh to San Francisco and back again, with enough left over to run another complete circuit across the state to Philadelphia. While the amount of copper alone in this work is enough to make this one of the premier construction jobs of the year, the difficulties encountered daily are sufficient to raise it to the rank of an outstanding engineering accomplishment.

In general the new cable will follow the route of the P. C. C. and S. L. Railroad. In places where right-of-way privileges are secured in appropriate places a little off the main road and where the lines can be better protected by avoiding burning culm banks or high-tension wires, detours are being made.

New poles are being transported and delivered by teams while the cable reels are being transported by motor tractors. These motor tractors are very powerful and are able to carry heavy loads across broken ground that would be impassable by other means. All deliveries of material are being handled just so far in advance of the work to maintain steady progress and to insure its being carefully cared for.

About sixty-five per cent of the work is already finished. While the job was not started until toward the end of last April it is planned to have it completed by January of 1928. The towns on the route of the cable include Carnegie, Ewingsville, Walkers Mills, Rennerdale, Oakdale, Nobles-ton, Sturgeon, McDonald and Burgettstown.

General News for Quick Reading

(From Page One)

Harry Thomas has returned from the St. Joseph's hospital, where he underwent treatment.

Mrs. A. Lee Barnhart has taken a position as nurse in the Masonic Home at Elizabethtown.

Four men near Dover, York county, were arrested for shooting rabbits by moonlight.

The railroad shops at Avis, near Lock Haven, were closed and 600 men are without employment.

Milton E. Reese, aged 23, of Lancaster, was killed when he fell from the top of a 50-ft. steel tank.

The State Police held a raiding party at Columbia, Saturday night. Slot machines were their main object.

A thunder storm, very unusual for this time of the year, passed over this section last Wednesday evening.

George Moul, aged 66, who worked on the State Highway, was struck by an auto and killed near Stony Brook.

A man at Glen Rock, York county, last week received a postal card from Brazil that was mailed seventeen years ago.

Charles E. Fleurie, of New Cumberland, killed two rabbits with one shot. They were sitting close together in a field.

\$50,000 worth of tobacco was burned when flames destroyed the warehouse of the Hesco Tobacco Co. at New Providence.

The State Department has discovered a disease among bees throughout the state. Fifty colonies were found diseased recently.

Twenty-nine hogs were lost by Robert Moorehead, York county. They died from poisoning but just how they got it is a mystery.

Mr. and Mrs. Quinton Amspanker entertained on Sunday: Mr. and Mrs. Jesse Watson, Mr. and Mrs. Elvin E. Baker and Miss Mary Brubaker.

Jacob Guntz, 52, blinded by the rain while walking on the Lancaster pike, was fatally struck by two machines. Rufus Fester, driver of one machine, sustained a fractured skull.

Floyd F. Thomas, of Mt. Clinton, Va., who lived with Clayton Rohrer at Bridgeport since last August, shot and killed himself when he could not get sufficient funds to marry his sweetheart.

IRONVILLE

Mr. and Mrs. Lewis Fornhoff were visiting relatives at Manheim, Sunday.

Mr. and Mrs. Paul Metzger and son, Phil, were visiting at Mountville, Sunday.

Miss Mildred Buch, of Manheim, was visiting with Thelma Lewis over the week end.

George Campbell, of Columbia, who was ill at the home of his parents is greatly improved.

Prayer service will be held by the U. B. members at the home of Mr. and Mrs. John Fox, Wednesday evening.

Mr. and Mrs. Raymond Leisey and Charles Gingrich, of Columbia, were visiting at the home of Mr. and Mrs. George Campbell, Sunday.

Thursday evening members of the Silver Spring Circuit will attend evangelistic services at Fontana U. B. church, where Rev. O. K. Buch is pastor.

Mr. and Mrs. Lloyd Kauffman and children, John and Ida, were entertained at the home of Mr. and Mrs. Albert Harman, of Centerville, on Sunday.

Sunday evening at 7:30 immediately after Christian Endeavor the W. M. A. will hold a Women's Day service. A special program will be given and all are invited.

Thursday morning at 8:00 the Otterbein Guild of the U. B. church will hold a Thank Offering service at the home of Miss Laura McCune. A special Thanksgiving program will be rendered and a playlet will be given. All girls are asked to bring their thank offering boxes.

Thursday morning at 10:00 the members of the Silver Spring Circuit will hold a Thanksgiving service in the Centerville U. B. church. The program will consist of special selections by the choir composed of members of the various churches, solos, and readings. Rev. Smoker, the pastor, will deliver the address of the morning.

Saturday evening a fine graduation service was held in the U. B. church. The Teacher Training class having completed one book were ready to be graduated and receive their diplomas. The church was beautifully decorated in blue and white, which are the class colors. Members of the class gave the history, class poem, talk on class colors and review of Old and New Testament books. Talks were given by Rev. O. K. Buch, and Rev. Knittle, both of Manheim, Rev. Smoker, pastor, and John Fox, superintendent of the Sunday School.

The following of the class received baskets of flowers from the Sunlay school: Reba Rettew, Iona Metzger, Harriet Floyd, Ruth Kauffman, Nellie Campbell, Laura McCune and Laura Kauffman, and teacher, Jacob Kauffman.

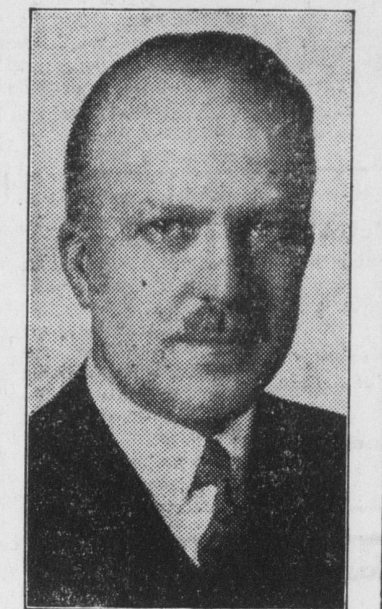
A French Scientist claims that bees are guided solely by odor, and will often pass a sententious flower stored with honey for one having a sweet perfume and a little sugar.

A bill giving the government the right to control the naming of infants has been presented to the Chamber of Deputies in Italy, with prison the penalty for violation.

PRESIDENT GIFFORD OUTLINES POLICIES

Telephone Executive Says Company Wants No "Melons"

In a recent talk before the convention of the National Association of Railroad and Utilities Commissioners at Dallas, Texas, President Walter S. Gifford, of the American Telephone and Telegraph Company, stated that "it would be contrary to sound policy for the management to earn speculative or large profits for distribution as 'melons' or extra dividends."



WALTER S. GIFFORD

"On the other hand," he continued, "payments to stockholders limited to reasonable regular dividends within their right, as the business requires new money from time to time to make further investments on favorable terms, are to the interest both of the telephone users and of the stockholders."

"Earnings must be sufficient to assure the best possible telephone service at all times and to assure the continued financial integrity of the business. Earnings that are less than adequate must result in telephone service that is something less than the best possible. Earnings in excess of these requirements must either be spent for the enlargement and improvement of the service furnished or the rates charged for the service must be reduced. This is fundamental in the policy of the management."

Mr. Gifford also said that the ownership is so widespread that it imposes an unusual obligation on the management to see to it that the savings of these hundreds of thousands of people are secure and remain so.

Another obligation, he pointed out, was the fact that on the American Telephone and Telegraph Company and its Associated Companies, like the Bell Telephone Company of Pennsylvania, rests the responsibility for such a large part of the entire telephone service of the country. This also imposes on the management an unusual obligation to the public to see to it that the service shall at all times be adequate, dependable and satisfactory to the user.

President of New Telephone Company



C. I. Barnard was recently elected President of the Delaware and Atlantic Telephone and Telephone Company. This company will take over the operation of all Bell properties in the State of New Jersey, at which time its name will be changed to the New Jersey Bell Telephone Company. Mr. Barnard was previously Vice-President in charge of Operations for The Bell Telephone Company of Pennsylvania and Associated Companies.

Old Reliable

The salesman, passing through the back country of Georgia for the first time, was trying to demonstrate the merits of a new brand of lye. The old stockkeeper listened politely and when the booster began to weaken he remarked:

"All them things you say about this new kind of lye may be true but we have so many other brands of lye around here I don't think I'll try any."

Out of Luck

Old Mose Parker was pretty sick and the darkey doctor promptly put him to bed and laid down all sorts of rules and regulations as to sleep and diet. After he had gone, Mose turned to his wife and complained:

"Mandy, how does dat dar fool doctah reckon Ah's gwine eat breast ob chicken ebery day if Ah hain't got mah ebenin's free to go out an' git de chicken!"

Owing to the construction of roads and the rapid progress made by railroad and motor truck, the 'mountain canary' or once indispensable burro, is fast disappearing.

Road We Must All Travel Sometime

(From page one.)

ter, Mrs. Amos S. Horst, Florin, from a complication of diseases. She was a member of the Brethren in Christ Church. Besides the daughter, a son, Albert Walters, of Florin, also survives. Funeral services were held at the house at 1:30 o'clock Sunday afternoon with interment in the Crossroad cemetery.

Death Of Child

Helen Arlene Erb, daughter of Mr. and Mrs. Samuel Z. Erb, died on Thursday at the home of her parents in Rapho township. She was in her second year, and besides the parents is survived by these brothers and sisters: Rachael, A. Eugene, Marguerite, Annabel, Samuel, Virginia and David, at home. Services will be held on Sunday afternoon at 2 o'clock at the home, with interment in Erb's Mennonite cemetery.

Edward F. Weaver

Edward F. Weaver, aged 25, son of Taylor Weaver, Ironville, died Friday morning following a six week illness. Besides his father, his step-mother, two sisters and one brother survive as follows: Mrs. Gerald Hughes, Baltimore; Grace Weaver, at home and Taylor Weaver, Jr., Columbia.

The funeral was held from his late home Tuesday afternoon at one o'clock, with burial in the Silver Spring cemetery. Rev. A. L. Haeseler, pastor of Salome U. B. church officiated.

Adam Geistweitz

Adam Geistweitz, 85, of Elizabethtown, R. D., died from complications. He was a member of the Church of God. Three sons survive: Clayton and Simon, both of Elizabethtown; Irvin, of this place; also 12 grandchildren, 10 great-grandchildren and two brothers Isaac, of Canton, Ohio, and Aaron, of Bainbridge. Funeral services were held from the home of his son, Clayton, East High Street, Elizabethtown, Saturday afternoon at 1:30 o'clock, with further services at 2 o'clock in the Church of God, Elizabethtown. Burial was made in the Mt. Tunnel cemetery.

Benjamin E. Ehrhart

Benjamin E. Ehrhart, 80, died Monday morning at the home of his sister, Mrs. Fannie Shelley, West High Street, Manheim, from the effects of a stroke. He was son of the late John and Rebecca Brubaker Ehrhart. Two daughters, Mrs. Frank Swanger, of Rapho township and Mrs. Clayton Brandt, of Elizabethtown; one son, John, of Ohio; a sister, Mrs. Fannie Shelley, at Samuel Ehrhart, of Rapho township, survive. Private funeral services will be held from the home of his sister, Friday afternoon at 1:30 o'clock with public services at 2 o'clock in the Manheim Mennonite church.

David E. Longenecker

David E. Longenecker, of Conoy township, died Monday morning at 4 o'clock at his home of a complication of diseases, aged 77 years. He is survived by his wife, Barbara and three children, Elizabeth, Henry and Benjamin, of Bainbridge. Three brothers and sisters also survive: Henry, Landisville; John, Findlay, Ohio; Samuel, Middletown; Abram, Elizabethtown; Mrs. Jacob Landis, Florin, and Mrs. John Burkholder, Newville, Cumberland county. Services will be held at the home on Thursday afternoon at 1:30 o'clock, and at God's Mennonite church at 2 o'clock. Interment will be in the adjoining cemetery.

Jacob W. Grogg

Jacob W. Grogg, a well known resident of this place, died at his home on West Main street this morning from the results of a paralytic stroke. He was born Oct. 10, 1872 and was aged 55 years, 1 month and 13 days. He was a merchant and for some time has conducted a store on W. Main street.

Deceased is a veteran of the Spanish-American war and a member of the Foresters and also the Fraternal Patriotic Americans of this place.

Besides his wife he is survived by one sister, Mrs. Irvin Geistweitz, of this place.

When we went to press no funeral arrangements had as yet been made.

Eli Shickley

Eli Shickley, of York, formerly of this place, died from the effects of a paralytic stroke, aged 60 years. Deceased is survived by the following: his wife, Mrs. Eva Shickley; one son, Charles D. Shickley, Gary, Ind., and the following daughters: Mrs. Charles Kilburn, West York; Mrs. Charles Rosetta, Mary and Esther, all at home; three grandchildren, one brother, Amos Shickley, of this place, and two sisters, Mrs. Amanda Sprout, Lancaster, and Mrs. Ella Wachstetter, Florin, Pa. Formerly he was affiliated with the Foresters lodge of Mount Joy, and was a member of the Reliance Fire company of West York. Short services were held at the home on Saturday, with further services in the day, with further services in the day, with further services in the day. Interment was made in the Eberle cemetery.

Idaho is reported to be adopting a plan for making its 1928 automobile license plates in the shape of a potato, symbolizing the state's baking-potato industry. Similarly, Utah's wool-raising industry is seeking recognition, having adopted a resolution requesting that the 1923 automobile markers of that state represent a sheep.

Advertise in the Mount Joy Bulletin

John H. Tyson's Royal Music Box

Along The Royal Path To Music

Announcing on November 21st

Will inaugurate the Royal lightning repair service.

The Royal Lightning repair service will be handled by capable men with years of experience.

THE RATES ARE AS FOLLOWS:

\$1.00 per call in Mt. Joy and Florin \$1.50 per Country calls \$2.50 complete for over hauling or major repairs.

The \$1.00 rate entitles customer to tube testing, eliminator testing, battery checking, speaker adjusting, antenna and ground checking and minor repairs. Repair parts additional.

Radio Dealers

You are invited to use this service for your customers.