Shows Progress Made By Science

Annual Report of Smithsonian Institution Covers Wide Range of Subjects.

Deal With Recent Advances of Interesting Phases of Every Branch of Science-Figures on Army Supplies.

Washington,-The Smithsonian Institution has just made public its annual report, which, among other things, contains a general appendix of articles covering recent advances of Interesting phases of nearly every branch of science, including astronomy, physics, chemistry, geology, zoology, entomology and anthropology. The articles have been written as far as possible in a style intended to interest the general reader rather than the scientist, and, as the report states, "in this way carries out one of its principal objects, namely, the diffusion

of knowledge." One article is by Dr. Arthur D. Little and entitled, "Natural Resources in Their Relation to Military Supties," In this article Doctor Little

ves figures as to the number of various articles used by the American armies in the World war, illustrating, as he points out, the importance of the economic factor in modern warfare. For instance, 22,000,000 blankets were provided for our soldiers, and 100,000,000 yards of cloth was used in making their uniforms and overcoats, while the square yards of cotton textiles used by the United States during the war totaled 800,000,000. If this enormous amount of cetton textiles were laid out in one yard width, 55 globes the size of the earth could be placed upon it.

What Our Soldiers Used.

During the war period the American soldiers are more than 1,000,000,000 pounds of flour, 800,000,000 pounds of beef and 26,000,000 pounds of jam and other substantial foods in proportion. Miscellaneous items for the army included 45,000,000 safety razor blades, 10,346,000 spoons, 4,000,000 pairs of rubber boots and 9,250,000 brushes of various kinds. Doctor Little also discusses in connection with military operations, coal, metals, explosives and other resources, concluding by showing that scientific research is indispensable not only in achieving military efficiency but also as an assurance of peace-time prosperity.

Therefore, for Middle-Aged,

Says Physician.

Middle Age Demands Above All Stead-

iness and Continuity in Its Recre-

ation-Time Is Chief Difficulty

in the Way.

winter and not in summer, the medical

correspondent of the London Times

The approach of winter raises once

he says. This is a most difficult sub-

ject. For at the very period when ex-

ercise is most necessary it becomes

most difficult to obtain. The difficulty

for the business man is especially

great. He must leave home at an hour

which makes early morning exercise

practically impossible. When he re-

ing dark or quite dark. Thus his op-

cept at the week-ends.

tat in winter.

on Saturday and Sunday.

Steadiness for Middle Age.

to be got rid of every day. If this is

health.

Age in Winter,

The influence of cold in stimulating the growth of plants is the subject of worth of American farm products, an article by Dr. Fredrick V. Coville. Doctor Coville shows that the general belief as to the causes of dormancy of them, "The Division of Insects of the plants in the fall and of their new United States National Museum" and 28 AUTHURITATIVE ARTICLES seeks to prove by numerous experiments that dormancy in trees and third, by Dr. L. O. Howard, chief of shrubs sets in before cold weather, the bureau of entomology of the Deand that cold weather is not necessary for the establishment of complete dormancy; that after dormancy has begun, the exposure of the plants to an ordinary growing temperature is not animals of the country. sufficient to start them into growth; and that these plants will not resume normal growth in the warm weather

> the opinion that a complete understanding of the results of the process of chilling will be of the greatest ben- tion by Dr. Ales Hrdlicka. efit to agriculture, especially in transplants out of season, in grafting and figures.

jected previously to a period of chill-

other processes of modern agricultural

Urges Protection of Wild Birds. Dr. Walter E. Collinge, in an article on the necessity of state action for the protection of wild birds, gives many reasons why the country should "jentously guard these feathered allies." which, he adds, are among the greatest enemies of the insect pests that annually destroy millions of dollars'

The report also contains three papers on the study of insects, two of growth in the spring is erroneous. He "The Seven-Year Locust," containing partment of Agriculture, reviews the war-time work of government entomologists in overcoming the insect pests that warred on the crops and

The various branches of the science of anthropolgy are represented by articles by Dr. J. Walker Fewkes, who of spring unless they have been sub- describes two types of prehistoric cliff houses of the southwestern part of the United States; Dr. W. H. Holmes, who "Doctor Coville," says a statement discusses the race history and racial by the Smithsonian Institution, "is of characteristics of the American Indians, while the origin of the Czechoslovak people is treated in a transla-

The total number of articles includferring plants from one part of the ed in the report is 28, nearly all of world to another, in growing various them illustrated with plates and text

NEWS OF STATE TERSELY TOLD

Recent Happenings in Nebraska Given in Brief Items For Busy Readers.

The Central Nebraska Poultry Association will hold its annual show at York, December 12 to 16,

The total paid for 68 head of Hereford cattle at H. Gaudreauli & Sons

sale at Hartings was \$20,810. It is currened that Dan B. Butler f Omaha will be camildate for govrnor at the democratic primaries.

John M. Matzen, state superintendent, in a bulletin issued, suggests that Nebraska teachers devote one-period a day during American education weekfor Americanization talks,

Ray A. Lower, former cashier of the defunct Valparaiso State bank, was found guilty by a jury in district court Wahoo on six or seven counts charging him with embezzlement.

Deputy State Fire Marshal Harry Hauster has been sent to Minden, at the request of city and county officials there, to determine the origin of the \$50,000 fire that destroyed the Binderup block.

Contracts for gravelling thirty miles of Nebraska roads, twelve in Dawson and eighteen in Buffalo county, were let at Lincoln last week. The work to

Nebraska is the fourth state in the union in per capita acreage of improved farm lands, according to reports compiled by the bureau of publicity of the Omaha Chamber of Comfederal census officials,

After silencing the gongs which were installed in order to alarm the town in case of attack by burglars, yeggmen blew open the door of the outer vault of the bank of Juniata, and fled with contents of 1,920 safety deposit boxes.

J. J. Barker, of Bigsprings, was found guilty by a jury, of first degree murder and sentenced to life imprisonment for the murder of Ralph Rosell, following an argument over a woman.

Martin Estergaard, who was begging on the streets at Grand Island, was taken to police station and when searched the police found a certificate of deposite on a Fulterton Bank for

The farm home of John Nelson, near Wakefield, was completely destroyed by fire of unknown origin. The occupants barely escaped with their lives. The house was valued at \$12,000 and the contents at \$2,000. The Pawnee City Milltary band will

combine with the Tecumseh band in a concert at the city opera house at Pawnee City, December 14. Prof. John Figla, leader of both bands, will have charge of the program, A construction company has just

completed a 52-block brick paving contract in Nebraska City, the entire job being completed 90 days after the contract was let. Many idle men were given employment. Mrs. Josephine C. Kecler, 30, of

Broken Bow, was awarded \$35,000 damages from the Omaha railroad for injuries in a railroad accident near Herman in October, 1920. The woman asked for \$75,000. She appeared in court in a wheel chair during the trial which tasted for several days.

penitentiary was advised by the sheriff at Tinton, Ia., that Hugh G. Marsh, a convict who escaped from the prison the same period were \$9,075,616, leavlast August, was under arrest in the ing a balance of \$1,180,000 to start the lowa town and intimated that the Nebraska authorities can have him:

Governor McKelvie's special board of inquiry, authorized under the administrative code law, resumed its U. S. A., and Maria Hahn, Paris, probe of living costs in Nebraska at France, answered "I do" to the marthe senate chamber after a week's rest, Chairman Lee Stuhr announced F. Bryant of Hartington early this that a new line of investigation would week and became man and wife albe taken up but declined to specifically though 4,000 miles separated them. state its nature.

The O'Neill Electric Light & Power America soon. company began burning corn for fuel under its immense boilers. The plant R. C. Bassett in behalf of the city of is the largest steam electric plant be- Bayard against Morrill county. The tween Norfolk and the Black Hills, board of equalization raised Bayard It furnishes all the light and power for personal taxes 20 per cent and real esthat city and heats its principal busi- tate, 50 per cent and local citizens ness buildings. Corn costs \$7 a ton claim that the increase was wrongat the boiler rooms. Conl costs, on an fully made. It is estimated that Bayaverage slightly over \$9 a ton laid and has half the population of the down at the boiler rooms. Tests with county and pays two-thirds of the corn as fuel showed its superior heat- taxes, on account of the sugar factory ing quality. The company will use property and valuable irrigated beet about six tons of corn a day.

The Peyote church of Christ-the second Indian non-sectarian church to Lodf, lost th'rteen head of cattle out be organized under that name in Ne- of sixteen he turned into a field of braska-has filed articles of incorporation with Secretary of State D. M. Amsberry at Lincoln, The new Bureau of Markets of the State Dechurch is at Walthill, while the first

was at Winnebago. fish and game licenses to date this of 1920. But this increase was overyear, or \$25,000 more than a year ago, come by the lower average yield which the state division of fish and game, for the state. This summary is based He estimates the expense of the di- on figures collected and compiled covision will be \$60,000, leaving \$65,-

000 for the state general fund. The Lincoln Telegraph and Tele-

Wars against food and treatment of them intelligently. members at the state tuberculosis hosa day for each of them.

The newly elected Red Cross nurse of Cheyenne county is touring the county visiting all the schools and in-

specting the teeth of school children. Robert E. Moore, 72, Hentenant governor of Nebraska from 1895 to 1897 under Government Silas A. Holcomb. died at his home at Lincoln.

The clothing store of Gus Lorentz at Loup City, was entered by burgiars and about 150 suits taken. The loss is estimated at \$3,500.

While at supper at the Maplehurst hotel, Dan McLeod, a ploneer of Schuyler and for ten years a member of the Nebraska legislature, was strick-

en and died. Guiave Bahr, the squaw man, who has been on trial at Pierce charged with nurder, was found not guilty by a jury, but was adjudged insane

Charles E. Black will probably assume his new duties as postmaster at Omaha sometime this week. He just recently received his appointment.

The four year old daughter of Mr.

and Mrs. Henry Pferfer, of near Batte, was burned to death in the family home while her parents were out in the field picking corn. The state seal commission at a

meeting in Governor McKelvie's office decided on the general design of a new Nebraska baliner, but withheld its nature until details of the emblem be worked out minutely. Several farmers living in the vicinity

of Shelton report the loss of horses from the corn stalk disease. F. C. Horth, who has been feeding corn fodder to his herd of horses, lost a valuable race horse,

The eleventh annual convention of the Nebraska Irrigation association has just closed at Bridgeport. This was the largest convention in point of attendance in the history of the association.

A fire which originated in the Westesen sisters millinery shop at Minder, completely gutted the Binderup block and caused a loss estimated at \$40,000. Insurance on the property was less than half its value.

Fire starting in O. E. Kratzer's Mercantile store at Virginia from an unknown cause, destroyed the Kratzer store and the Mitchell Hardware store. The fire department from Beatrice was called to assist in fighting the flames. The loss is placed at \$40,000 and is partially covered by insurance.

Frank T. Israel of Benkelman, who held a responsible position in the office of the comptroller of the currency for the last 30 years, has received a promotion to that of chief clerk in the chief national bank examiner's office of the Eleventh federal reserve district, with headquarters at Dallas,

When George Dorn, janiter of the Rudge & Guenzel department store of Lincoln, was questioned about theft of a 10-cent bar of chocolate, he gdmi;ted, police say, having stolen over \$1,-000 worth of costly silks and jewelry, which they say they found done up in his room ready to be shipped to rela-

A total of \$100,000 damages sought by F. S. Shoemaker and Charles N. Dean, Nonpartisan league speakers, from 13 citizens of Hartington, for slander and assault when they were taken from the lobby of a hotel there, the night of April 3, 1920, escorted out of town and warned never to re-

Total state receipts from taxes, institutions, fees, auto licenses and interest bearing funds for the six months ending June 30, this year, were Warden Fenton of the Nebraska 811,216,473, according to an official report made public by State Auditor George W. Marsh. Expenditures for

new blennium. With telegrams and cablegrams pinch-hitting for the speaking voice, Lester J. Mabeus of St. Helena, Neb., riage lines as put by County Judge W. Mrs. Mabeus expects to leave for

A tax test suit has been brought by lands.

Arthur Cornins, farmer living near cornstalks in one night.

A bulletin recently issued by the partment of Agriculture, states that the acreage of oats in Nebraska in-Over \$125,000 have been collected in creased somewhat last year over that according to Chief George Koster of resulted in a considerably lower yield operatively by the state and federal bureau of markets.

L. M. Muck, a blind man, College phone company expects to move into View, has been appointed to be state the new \$100,000 building erected at field agent for the relief of the blind. Nebraska City in the next few weeks. His salary will be \$100 a month and The state board of control at Lincoln be will travel about the state, visiting will make a trip to Kearney to in- blind people, ascertaining their convestigate charges made by the Diss ditions of life, their ambitions and abled American Veterans of Foreign desires, so that the state can help

The Bentrice electric company pital. L. C. Oberlies, a member of reached a settlement with J. W. Cook, the board, stated that since the end of who brought suit against the concern the war. 63 veterans suffering from for the death of his son, Robert, who tuberculosis have been treated in the was killed in Beatrice last summer by hospital, the government paying \$2.50 a live wire, by agreeing to pay him

MISSED HIS "PIE"

American in Europe Found That Luxury Unknown.

This Country, Apparently, Has Monopoly on the Fruit-Filled, Flaky Disks of Delicious Crust.

As soon as the snow begins to melt, the thing foremost in the mind of the hungry American is strawberry shortcake. For at least two delightful months' he revels in it.

Then shortcake thae gives way tothe salad period; from the first radlikes and lettuce, down the line of crispy green things, until in late summer our beloved tomatoes are finally eclipsed by that greater favorite 'reastin' ears." A true American dish. this, but in this land of varied climate these favorites all pass.

But as we lose one good thing another is always ready to take its place, and now when corn has gone the way of shortcakes and salads in comes pumpkin pie to fill the void.

I wonder if in any other country, except Canada, perhaps, they have real honest-to-goodness pies. Probably our English cousins, thinking of their pork and mutton pastries, laugh up their sleeves and wonder what we know

In Winchester, England, I ate a little meat pie which I will admit was delicious, but never a round, flaky, crimpy-edged, fruit-filled dish did I en-

counter in all the empire, True, in Paris there are innumerable delectable tid-bits to be had that are so flaky they fall apart when one tries to eat them, but not a sign of lemon or custard filling hid beneath meringue,

just a triffe brown. In a little town called Sasserals, a few kilometers from Nancy, where our outfit was stationed at one time, I thought I had made a find, The French shopkeepers were compelled to keep a price list of all their merchandise posted on the wall and on one such list I saw the word "patie." Looking up the word in my French-English dietionary I found the English equivalent to be "pie." Immediately I rushed back and handed over to the madam in charge the three or four francs due, eagerly pointing out the word on her price list. What I received was a small tin of ment, much like our devited ham.

The nearest approach to pie that Europe ever showed up was in Germany. Once, in Coblenz, in a bakeshop window, we saw an enormous plum concoction. The fruit was quartered and carefully hald in circles, one inside the other, completely covering the base. which was a foot and a half in diameter. But when we bought wedges of it, the base proved to be just plain "Euchen," and very dry at that.

In pumpkin ple we have a real American institution. It savors of al! the Orient as that spicy, pungent odor wafts out across the kitchen when mother or wife, with heat-flushed face, opens the oven door and peeps in at it. But under the soft light of the supper table (dinner came at noon with us) its round golden-brown face smiles up at us-just as a homely Yankee friend-and all the French chefs in the world could never improve it.-Loring E. Williams in the Cleveland Plain Dealer.

Why Pianos Strike.

This story might also be called, "You can't blame them." It is about a plane that stood in the school building at Lexington, Ind., that has been torn down to give place to a new building. For safety the plane was placed in the Presbyterian church and as it was difficult to tell which was C sharp and which was B flat, a tuner was called. The catalogue of "finds" included one song book, two demountable drinking cups, nearly a pint of chalk, one ink bottle, 13 six-penny nails and two spiders, all extracted from the interior. It is said the pupils at high school tried all ways of playing it, from walking across the keys to playing jazz music, and the average person couldn't be sure at any time which of the two was on the program.

Planes Carry Planes.

A battle plane which carries its own scout plane poised on the tip of one of its wings is the remarkable type of airplane recently developed in England. So far it is understood the tests have been successful. The parent machines have traveled at their usual pace, although the engine of the scout machine was kept running so that it was ready to dive off at a minute's notice to protect the larger and heavter craft. An expert pilot is carried by the bombing plane and as soon as his services are required be climbs through the top wing and takes his seat in the scout plane. By pressing a trigger he frees the smaller machine which at once glides along the battle plane wing and dives off.

To Increase Nail's Holding Power.

Here is a simple method of increasing the holding power of a wire nail or spike. With a flat file remove the point of the nail and then, with a hacksaw, split the na!l for about onefourth its length. The two halves should be beveled with a triangular

Before using the nail or spike, drill a hole of the same diameter as that of the nail in the wood to the depth you wish the nail to reach before spreading. Then place the nail or spike in the hole and hammer it down. It will spread in the wood like the prongs of

Reverend Visitor From the Orient



Most Rev. Archbishop Sekizen Aral, the abbot of the Sofiji, head monastery of the Sodo Sect (in robes) from Tsurumi, Japan, with members of his staff on the steps of the White House after having been received by President Harding. The archbishop is making a tour of the United States.

is a matter which must be left to the Individual. It can be said, however, Not in Summer that an hour spent in this way is never an hour wasted; on the contrary, it may save many an hour of ill-health in his opinion. Moreover, the healthy glow of the vigorous man Winter Exercise Is Important, clogged, symptoms of poisoning show after his exercise is a better thing than

away, and often, in cold weather, the

tendency is to shirk the exercise. This

the artificial warmth of the man who themselves, and it is increasingly diffirefuses to quit his office fire. cult to get rid of them. Like a piece A more simple and also much less of machinery that has been allowed

expensive method is to exercise at home. There is nothing to be said against physical exercise of this kind, except that it is apt to be very monotonous. Generally speaking, monotonous exercise is far less beneficial than that which contains an element of interest, for the reason that man is an intelligent being and not a machine, the writer asserts. You can never "whip" all his faculties to activity by means of a code of muscular movements. The thrill of the game is

necessary to this purpose, Yet some men are so constituted that they need interest in their recreation far less than others, the physician declares. These do very well on a short period of training each morning, and often show a remarkable determination in keeping it up.

The point is that if exercise is kept up during the week, it can safely and advantageously be intensified at the week-end. Thus, a vigorous round of The chief difficulty is time, says the golf on Saturday or Sunday will yield

Time Is the Chief Requisite.

to lie unattended, the mechanism of

You cannot safely set a piece of

the physician, and then neglect it for

another week, and repeat the process.

In everyday language that method is

What then is the middle-aged man

to do in the coming months? The

answer depends to some extent on his

Some men of the physician's ac-

adopt swimming, and make a point of

going to their baths every, or nearly

than temperament is determination.

the body deteriorates.

"asking for trouble."

SWIMMING IS A GOOD ONE You cannot safely set a piece of machinery going at its top speed, says

London.-Declaring that we age in temperament. But more important

urges the middle-aged to take some quaintance solve the difficulty by play-

measures in the way of exercise to ing a game of squash three or four

correct the deficiency. If they will do times a week. They simply "take" the

this, he says, and awake to a reall- necessary time, and they are fortunate

zation of winter exercise they will in belonging to clubs which have the

spare themselves many an hour of ill- necessary accommodation. Other mea

again the question of winter exercise, every, afternoon for half an hour.

It is often difficult to get not exhaustion, but exhibaration, Leased by Japanese for Arms Meet



The Jupanese embassy has leased this building at Twentleth street and allowed to accumulate to the week- Massachusetts avenue, Washington, for the duration of the conference on the end the tissues of the body become limitation of armaments.