ENEFACTION OF JAMES SMITHSON BENEFITS WORLD

ithsonian Institution One of e Most Valuable Assets of e United States—Clearing House for Knowledge.

By Frederic J. Haskin.

Washington, Feb. 2.—When James ithson wrote his will, making a be- eat of $500,000 for the founding of institution for "the increase and dif- sion of knowledge among men," he ilded better than he knew. He had come disgusted with his titles, which efited him nothing, and declared that would make his name remembered hen all his relatives were forgotten. haps never in history has $500,000 ded such splendid returns as that h which Smithson endowed the in- ution that bears his name. From time that it was established this nization has led the scientific nt of the new world. It has been ca's lookout upon the watch-tow- science.

Most Valuable Institution.

n American science was in its ling clothes the Smithsonian In- n was its wet nurse. In the days of the country men were so t upon forest conquering and em- building that they had little in- tion and less opportunity for scien- thought or original research. But mithsonian took the neglected in- into its care and nourished it today American science is re- throughout the world. The in- tion was also assisted materially in the nt of the arts. Its first sec- Joseph Henry, constructed the electro-magnetic telegraph and oundations of the art of elec- nsmission through which to civilization the tele- Bell the telephone.

ance of meteorology had its at the Institution, and the ather map was published second secretary, Spencer F. ractically established the science culture and organized the United fish commission. Its third sec- Professor Langley, gathered pon which is based the budding of aeronautics. These are only es of the many things the insti- has done in carrying out its founder's purpose—"the increase and diffusion of knowledge among men."

The work of the Astrophysical Observatory constitutes one of the most interesting phases of the activities of the institution. While its labors are highly technical, and the world may wonder how such a thing as the study of "solar constants" can effect its every-day life, it is likely that discoveries affecting the welfare of every human being may yet grow out of its researches. While science has been able to predict eclipses, moon changes and other celestial phenomena with minute accuracy, it has never been able to forecast the weather for more than a few days, and it cannot tell whether the sky will be cloudless or overcast even a few hours in advance.

Study of the Sun.

It was a favorite theory of the late Professor Langley that the sun does not throw out a uniform heat, and that the variations in its production of heat have an intimate relation to changes in the weather. He believed that he could prove his theory that the sun sometimes loafs on its job. Having proved his inference that there are fluctuations in the heat of the sun, he set about to determine the laws of this variation, believing that with these causes discovered he could make a long range forecast of the weather as accurately as the astronomer forecasts the changes of the moon. Professor Langley died in the midst of this work, but it has been taken up by his assistant, Director Abbot. Through his bolometers and pyrheliometers, measuring the hundredth-millionth of a degree of temperature and doing other things no less remarkable, Mr. Abbot has obtained a fair understanding of the habits of Old Sol, and hopes to reach the point where he can establish the laws of these changes.

May Predict Future Weather.

Think what benefits would result if Director Abbot should be able to establish the Langley theory! The farmer could know in advance what the season was going to be. If a wet season were assured he could plant a crop requiring plenty of moisture, and if a dry season were indicated he could plant a crop unaffected by dry weather. The ocean voyager could time his comings and goings so as to escape the storms of the sea. The big fairs and other open air meetings could plan their programs so as to escape inclement weather. A thousand advantages would come to man through accurate long range weather forecasting. Of course Director Abbot is making no positive promise that he will be able to accomplish these things, but he is assured that there will be results important only in a less degree.

Valuable Indian Data.

Various other original investigations are being made under the direct supervision of the Smithsonian Institution. The researches of the bureau of ethnology have done a great work in preserving for the future the songs, customs and traditions of the first true American—the Indian. This bureau has collected data concerning 60 linguistic stocks and upward of 300 tribes of Indians. It is publishing a handbook on the Indian, treating the subjects dealt with only in broad outline. Other handbooks, dealing with his more important activities are in course of preparation. The first is the handbook of languages, in two volumes. The arts and industries are also being treated in separate volume, and handbooks concerning religion, folklore, government, pathology and medicine are in prospect.

Roosevelt Expedition.

The Roosevelt expedition to Africa bears a peculiar relation to the Smithsonian. While officially the expedition is under the auspices of the institution, not a dollar of its expenses is being paid by that organization. The financing of the expedition is being done by "friends of the institution." That it has been successful in gathering much new zoological information is vouched for by Secretary Walcott, and the force of taxidermists and other experts at the institution will be kept busy for months to come in mounting the specimens that have been arriving from Mombassa.

It would make a long story to relate the details of all the investigations being made directly or indirectly through the Smithsonian Institution. They cover nearly every field of human knowledge, though in many cases the funds at its disposal limit the range of the work. Two years ago it offered a prize of $1500 for the best essay on the relation of atmospheric air to tuberculosis, and 31 papers on the subject were entered in the contest. These papers represent the best thought of the day on tuberculosis, and form a valuable contribution to medical literature. Other investigations and studies are stimulated by the offering of prizes.

Carry on Explorations.

Useful as the Smithsonian has been in the past, its officials are anxious to increase its value in the future. Secretary Walcott declares that the institution is peculiarly well fitted to organize and supervise investigations and explorations on which the income of $20,000,000 could be expended wisely and effectively. He says that the activities of the institution are not limited to investigations in the fields of science and art, but that historical and ethnological researches, and statistical inquiries with reference to physical, moral and political subjects are also within its province.

To Solve Race Problems.

The secretary sees great need for a fearless, thorough, scientific study of the elements entering into the race problems of the Americas. He feels that until the fundamental tendencies of the differing races are intelligently understood, not only by the few but by the many, a practical understanding of threatening social conditions is impossible. Ethnology, anthropology, psychology, preventive medicine and education are some of the tools that must be used in shaping the national, community and individual life of the future. The National Gallery of Art, which is under the control of the Smithsonian, is expected to form the nucleus of what may become America's foremost art collection.

Contributes to Knowledge.

In the diffusion of knowledge the institution has been no less successful than in the increase thereof. It was recognized by Smithson that there should be a sort of international clearing house of knowledge, where the progress of each individual and of each nation could be given to the world. Therefore his bequest was as much for the "diffusion of knowledge" as it was for investigation. Through the Smithsonian's international exchange service wonderful publicity has been given to the researches and investigations that have proved of value to the race. Through this service the United States exchanges sets of all government documents with the other principal countries of the world, and partial sets with other countries. This includes all of the scientific papers published. In addition it serves as a medium of exchange between all of the colleges, universities, learned societies and institutions of the United States and those of foreign countries. The Smithsonian Contributions to Knowledge are monographs dealing with positive lessons learned from original research, and hundreds of these pamphlets go out in every mail to people interested in scientific subjects. Last year it handled nearly a quarter million packages, weighing approximately a half million pounds. The service has more than 60,000 correspondents.

Tomorrow—The Leather Industry.

THE STRANGER WITHIN OUR GATES

Charles Gaultry, Fort Collins, Colo.—Last fall Fort Collins celebrated her first Lamb day. It was a unique affair, particularly when it is known that there are no sheep in the country. But the town had to have a name for her celebration and the balance of the towns in the state had used up all the appropriate names. Colorado is the greatest state I ever saw for celebration days. It is the booster spirit manifesting itself.

A. V. Stronach, Bingham Junction, Utah.—I live in a town that supports about 4000 people and not over one-tenth of them can talk English. I am a newspaper man and I have been offered $150 a month to learn the Greek language sufficient to publish a Greek newspaper. I declined the offer because I am already 50 years old and I am afraid I couldn't master the language for forty years.

Y. G. Friedlander, Toll Gate, Or.—The beautiful ranges of the Blue Mountains are almost devastated. A few years ago one could cut many tons of hay around in the little valleys, but sheep have practically ruined the ranges. Every man, except a sheep grower, has a perfect right to hate sheep.

LANDSCAPE ARTIST VIEWS O. A. C. CAMPUS

(Special Dispatch to The Journal.)

Oregon Agricultural College, Corvallis, Or., Feb. 2.—Plans are practically complete for improving the O. A. C. campus. John C. Olmstead has just finished going over the plans of arranging the buildings and grounds for future development. He left this morning, after spending a day and a half with President Kerr and Professor Peck, who has charge of the landscape gardening at the college.

Mr. Olmstead belongs to a noted family of landscape architects, his father laid out the famous Central Park in New York and later the world's fair grounds at Chicago in 1892. His brother planned the beautiful Prospect Park of Brooklyn, N. Y. In collaboration with his brother Mr. Olmstead drew the original plans for Mount Royal Park in Montreal and the much famed Metropolitan Park system in Boston.

New Corporations.

(Salem Bureau of The Journal.)

Salem, Or., Feb. 2.—Articles of incorporation have been filed in the office of the secretary of state as follows:

Clatsop Beach Chautauqua association; principal office, Portland; capital stock, $5000; incorporators, W. A. Lovett, I. M. Walker and F. N. Clark.

Sevenoaks Investment company; principal office, Portland; capital stock, $150,000; incorporators, H. N. Burpee, E. B. MacNaughton and D. Parke Bryon.

Union Credit association; principal office, Vale; capital stock, $1000; incorporators, Elwood L. Clark, Leo H. Schmidt and J. E. Lawrence.

George B. Weatherby company; principal office, Portland; capital stock, $10,000; incorporators, Ralph R. Duniway, George B. Weatherby and Milton G. Weatherby.

Klickitat Meeting on February 10.

(Special Dispatch to The Journal.)

Husum, Wash., Feb. 2.—A large number of citizens from Husum and Trout Lake will attend the Klickitat county booster meeting to be held at Goldendale, the county seat, Thursday, February 10. The county has become widely known through the work of the different commercial organizations for the exploitation and development of the county.

Among the prominent persons who will take an active part in the meeting are: Mr. French, president S. P. & S.; H. C. Nutt, vice president Northern Pacific; G. D. Charlton, general passenger agent Northern Pacific; Mr. Jackson, general passenger agent Great Northern; H. M. Adams, general passenger agent S. P. & S.; Tom Richardson of Portland.

Oakland, Or., Man Attempts Suicide.

(Special Dispatch to The Journal.)

Oakland, Or., Feb. 2.—William Arnold, who came to Oakland from Idaho last December, committed suicide yesterday by hanging himself with a leather line in a barn on his farm, one mile north of Oakland. No cause is assigned.

Arnold met with financial reverses before coming to Oakland, and this, together with ill health, is thought to have mentally unbalanced him. Arnold is survived by his wife and six children, who reside at Oakland; his mother and a brother living in Washington.

Pythians at Eugene.

(Special Dispatch to The Journal.)

Eugene, Or., Feb. 2.—A district convention of Knights of Pythias will be held in Eugene Saturday night. The lodges in the Fifth district which will participate in this convention are those at Eugene, Cottage Grove, Junction City and Roseburg. Knights from Albany, Corvallis, Salem, Brownsville, Lebanon, Oregon City and Portland will be in attendance.

Passenger Hits Open Switch.

(Special Dispatch to The Journal.)

Chehalis, Wash., Feb. 2.—Through the carelessness of some one in leaving the Northern Pacific switch at Prindle street open, train No. 13 collided with a string of boxcars at 8 o'clock last night. Aside from badly smashing a boxcar and putting a crimp into the pilot of the engine, no serious damage was done.

igh Beef A Benefit

if it makes you think — then make trial and see if

Better Health
Greater Strength
Keener Brain

come from

Grape-Nuts

Try the change.

You will feel "fit as a lord" in a week's time by breakfasting on Grape-Nuts and m, a little fruit, a soft boiled egg, some nice, crisp toast and a cup of well-made tum.

If you ever try this experiment, you will always bless the day you woke up.

There's a reason why Grape-Nuts food furnishes power to body and brain. It is de of selected parts of the field grains that furnish phosphate of potash in a natu- state that can be assimilated by the human body. This joins with the albumen of l and forms the gray matter of the brain and nerve centers.

eed skilfully and you can "do things."

he greatest brain workers eat Grape-Nuts.

Ask one or two, they'll tell you.

You meat eaters who are ailing in any sort of way should take the hint.

A prominent authority says:

"There is no doubt of the fact that meat eating is not essential to human life, and that men can be well nourished without resorting to a flesh diet.

"I think the statement may be accepted without question that, as a rule, we eat too much, not only of meat, of all forms of food. The question of limiting the diet is based primarily not on the principal of economy, on the requirements of hygiene.

"At the early breakfasts which Americans are wont to indulge in, that is, a hearty meal before going to their daily k, the omission of meat is to be earnestly advised.

"It is well known that men who are nourished very extensively on certain cereals are capable of the hardest and st enduring labor."

You can depend on the energy from Grape-Nuts longer than from any meal of at.

"There's a Reason" for

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RED TAG SALE

Bargains all over the store. Reductions made from our low rent prices which were already 20 to 25 per cent lower than the west side dealers'. Attend this great sale. Benefit by its savings.

BRASS BED of highest quality, massive pillars, highly polished, has several coats of lacquer; an exquisite piece. Regular low rent price $45.00. BED TAG SALE PRICE... **$22.50**

BRASS BED—Another beauty of same quality as one above, with 2-inch round pillars and heavy square top rods. Regular low rent price $35.00. RED TAG SALE PRICE... **$20.00**

EMPIRE DRESSER — Genuine quarter sawed oak, a row of three drawers on each side and large serpentine shape, drawer at bottom, very handsome, full length French plate beveled mirror. Regular low rent price $40. RED TAG SALE PRICE..... **$27.50**

CHIFFONIER and WRITING DESK COMBINED—In beautiful quarter sawed oak, 4 drawers; an odd piece with fine desk with pigeon holes. Regular low rent price $32.50. RED TAG SALE PRICE... **$22.50**

ROCKER—Quarter sawed oak, wax finish, comfortable high back—very handsome and strong; straight arms, saddle seat. Regular low rent price $13.25. RED TAG SALE PRICE..... **$8.25**

ROCKER—Polished solid quarter sawed oak, beautiful design, saddle seat. Reg. low rent price $7.00. RED TAG SALE PRICE..... **$4.75**

BUFFET—Quarter sawed oak, hand rubbed, wax finish, very unique design, with 4 leaded glass cabinets, 5 drawers and handsome French plate beveled mirror. Reg. low rent price $45. RED TAG SALE PRICE **$36.00**

CHINA CLOSET—In Early English finish, leaded glass front, brush brass trimmings, made of quarter sawed oak, straight line design. Reg. low rent price $30. RED TAG SALE PRICE **$17.50**

Hundreds of Just Such Bargains All Over the Store—Come Early and Reap the Benefits.

Clearance Sale

Men's and Boys' Clothing at Less Than Cost

Just think of being able to buy a swell Suit or Overcoat at less than cost—garments that regularly sell from $15 to $40, but now priced to sell at from **$11.75** to **$25.** It's worth going blocks out of your way to see the splendid array of stylish weaves and color effects. The completeness of our size assortment and the expert tailoring enable us to fit men of all proportions.

Stylish Suits for Men

$15.00 Suits....$11.75 | $25.00 Suits....$18.75
$20.00 Suits....$14.35 | $35-$40 Suits...$25.00

Men's Swell Overcoats

$15 Overcoats..$11.75 | $25 Overcoats..$18.75
$20 Overcoats..$14.35 | $35-$40 O'coats.$25.00

Boys' Nobby Suits 4 to 14 Years

These extraordinary values come in plain serges, fancy cassimeres, cheviots, thibets and tweeds.

$5.00 Suits only..$3.75 | $7.50 Suits only..$5.00
$6.50 Suits only..$4.50 | $8.00 Suits only..$5.75
$10.00 Suits only.$7.00

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