The Most Generous Year of the Century Has Distributed for Good Works Nearly $254 a Minute Night and Day : : : : :

GIVING AWAY $121,356,973; CHARITY'S GAINS FOR 1907

Mr. Rockefeller Takes the Lead, With Mrs. Sage Second; Women Giving More Than a Fifth of the Splendid "Record" Total

Giving more than as many thousands each day as there are days in the twelve-month, 1907 has set a new high-water mark for the twentieth century's gifts to charitable causes. That daily figure (to speak exactly) is 365,533.05, which means over two and a half millions a week, or a "record" total for the completed year of $121,356,973.

The first of the eight years of the nineteen hundreds marked the ebb of the century's figures, with but $47,500,000. Nineteen one jumped to $107,300,000, and that has stood at the head

JOHN D. ROCKEFELLER,

of charity's ladder till this present year of grace and generosity came far to surpass it. The eight figured totals of the five intervening years—none of them reaching the hundred million line—seem, today, almost inconsequential, in the light of this latest-achieved proof of mankind's desire to put into tangible practice the spirit of good will and mutual helpfulness which rules the Christmas season.

Limitations of the Chronicle.

Impressive as is the year's great aggregate it is necessarily incomplete. Much that is given passes with no public notice; even an estimate closely approximating perfect figures is out of the question. The journalistic statistician must rely upon the items published, from day to day, and must yet farther define the limits of his work because of the uncertainty of publication in one part of the country of gifts of the smaller sort made in some other part. In the following lists $5000 has been taken as the minimum to be considered, though multiplicity of small donations, so lost sight of, would raise the year's total by not less than $10,000,000. The $25 and $50 and $100 gifts to such a cause as the Chinese faminue fund, to quote but a single instance, ran up in a fortnight into the hundreds of thousands.

Again, only individual givers are here taken account of; the generosities of cities, societies and clubs, churches and reform organizations—and no reader of the daily news will fail to realize how such figures as these would represent would climb toward the millions—have not been chronicled.

Finally (and "of course") no items are included save those which have looked to some public good.

Old World's Part.

That only American givers are lieted is as necessary as obvious. If it is not easy to gather accurate figures of the benefactions made here at home, even within the limits specified, it is far more difficult to compile trustworthy tables of similar philanthropies in the old world. It is but fair, in passing, however, to state that the "small" donations of England and the Continent are not much less in the aggregate than those of America, while the record of the larger gifts is invariably a splendid one. Foreign benefactions in 1907 have probably fallen considerably short of those bearing the hallmark of the United States, but that they are not to be lost sight of is proved by ten characteristic items, as follows:

January—William Whiteley, to London charities	$5,000,000
June—D. E. Osiris of Paris, to six charities	5,000,000
April—G. Herring, London's hospital funds	3,750,000
May—Basil McCrea, Belfast, educational ends	1,250,000
February—Princess Mary of Saxe-Altenburg	750,000
April—Baron Heyl zu Herrnsheim of Berlin	750,000
June—Miss Perry of Wolverhampton, educational	750,000
July—A. D. Sassoon, to the poor of Brighton	350,000
March—M. Hedensteff, to Moscow university	250,000
May—Mrs. Peter Redpath, to McGill university	150,000

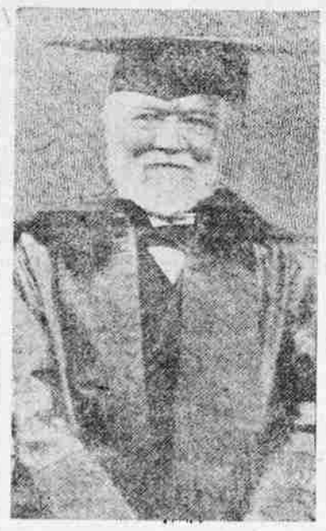
John D. Rockefeller, Premier.

That '07 is a "record year" in its philanthropies is due directly to John D. Rockefeller. When in the second of the months he gave that $32,000,000 to the general education fund, he insured a first place for it among its fellows—and incidentally wrote his own name highest of all on charity's roll of honor. Today he is to be thanked for something more than $63,553,000 given in all to various causes of the public good. Assuming him to have donated not less than another $10,000,000 of which only private records have been kept, he heads the long list of American benefactors.

Mr. Carnegie, with nine gifts during the twelvemonth, totaling at $8,957,000, is still surpassed by three of the year's givers—Mr. Widener of Philadelphia has promised $10,000,000 for a municipal art gallery; Mr. Frick of Pittsburg has signed checks for $10,205,000, and Mrs. Russell Sage, in a score of most generous items, has built up her benevolent subscriptions to $13,830,000.

Woman's Share in the Work.

Woman, indeed, has borne a magnificent part in the work. More than a



ANDREW CARNEGIE,

fifth of the whole sum given—$24,234,108—has come from her. The dozen leaders have been:

Mrs. Russell Sage of New York City	$13,830,000
Miss Anna T. Jeanes of Philadelphia	2,312,108
Mrs. C. R. Galland of New Haven, Conn.	1,500,000
Mrs. H. A. Currier of Manchester, N. H.	1,000,000
Miss E. D. Gibbes of Newport, R. I.	750,000
Miss Kate McKnight of Pittsburg	500,000
Mrs. Sarah Ropes of Salem, Mass.	500,000
Mrs. Laura Currier of New York City	292,000
Miss Helen Gould of New York City	265,000
Miss Florence Lyman of Boston, Mass.	250,000
Mrs. Potter of Boston, Mass.	180,000
Mrs. H. C. Durand of Chicago, Ill.	175,000

The completed roster of these well-doers, as long as the year itself, and covering every State and Territory of the nation, contains such widely known names as those of Mrs. John Hay, Mrs. Robert T. Lincoln, Mrs. Anne Weightman, Miss Helen Stokes and Miss Alice Longfellow.

The "roll of honor" of millionaire givers, in addition to the four first entered above, reads:

John D. Rockefeller of New York City	$42,315,000
Henry C. Frick of Pittsburg	10,205,000
P. A. B. Widener of Philadelphia	10,000,000
Andrew Carnegie of New York City	8,957,000
R. N. Carson, Norristown, Pa.	4,000,000
W. C. Andrews of New York City	1,500,000
Thomas R. Patton of Philadelphia	1,500,000
J. Pierpont Morgan of New York City	1,350,000
Bloodgood Cutter of Little Nec, L. I.	1,000,000
John Forterfield of Allegheny City, Pa.	1,000,000
Charles M. Schwab of Pittsburg, Pa.	1,000,000

Nor does this include "Mr. Anonymous," who, as usual, stands well up among the honored ones. Since January he has dug into his deep pockets for a neat little $2,446,000!

Millions for Educational Ends.

That the gifts to education should far surpass those for any other cause was a foregone conclusion, in the light of that Rockefeller $32,000,000. But, as if to make this assurance twice doubly sure, the year has had to record four munificent donations, each looking to the foundation of an institution not yet on the educational tapis.

R. N. Carson of Norristown, Pa., left $4,000,000 to start there a sort of "Girard College for Girls"—where the parentless little women of the land might receive just such training for the later years as has for so long been given to orphan boys through the far-sighted generosity of Stephen Girard. W. C. Andrews of New York city, with

JACOB H. SCHIFF

a similar end in view, devised by will a million and a half for a girls' "Institute of Practical Training," to be located in Ohio. The late Chief Justice Paxson of Pennsylvania marked his approval of the farm school idea by a bequest of $200,000 for a new one, to be started in Bucks county, of his State; and Mr. Rockefeller has given $2,000,000 to further the project of a "Greater Louisville University."

Setting aside the half score of gifts directed to purely technical training, perhaps an equal number devised to further primary or secondary educa-

F. E. WEYERHAUSER.

tion, and the half-dozen of a general nature, this part of the year's chronicle shows nearly seventy distinct presents made (in good dollars and cents) to the colleges of the country. As usual, Messrs. Carnegie and Rockefeller kept their protege institutions at the top of the list, but, none the less was the giving as broad-spread as generous. The dozen "luckiest" ones read:

Carnegie Institute, Pittsburg	$6,000,000
University of Chicago, Illinois	3,000,000
Princeton university, New Jersey	1,576,987
Tuskegee institute, Alabama	1,532,770
Yale university, Connecticut	1,167,000
Emma Willard seminary, New York	1,000,000
Pennsylvania State college	1,000,000
Rensalaer institute, Troy, N. Y.	1,000,000
New York Teachers' college	850,000
Barnard college, New York City	750,000
Amherst college, Massachusetts	500,000
Creighton university, Nebraska	500,000

Seven Gains and a Loss.

With 1907 leading by so great a difference the figures piled up by last year's benefactions, it was to have been expected that gains should have been marked in each of the usual eight divisions into which items of this sort are conveniently divided. In one case, however—gifts made not in cash, but their values estimated and totaled—an actual loss has occurred. The comparitive figures for the two years follow:

	1906.	1907.
Educational purposes	$18,264,359	$61,737,257
Galleries, Museums and Societies	11,029,340	22,161,770
Miscellaneous charities	5,610,681	15,186,300
Hospitals, homes and asylums	3,047,075	7,882,500
For religious purposes	5,719,053	6,265,000
Libraries	1,316,795	2,132,000
Gifts made not in money	5,448,000	4,552,146
Gifts sent out of the country	793,000	1,440,000
Totals	$51,230,294	$121,356,973

Gifts Made Out of the Country.

William Waldorf Astor, London, Eng., Oxford university, Eng.	$100,000
William Waldorf Astor, London, Eng., various causes, London	50,000
Andrew Carnegie, New York City, King Edward's hospital fund	500,000
Theodore Dewes, New York City, Egyptian excavations	20,000
W. S. Hubbard, Indianapolis, foreign missions	50,000
Louis Klopsch, New York City, Chinese famine sufferers	10,000
Louisa Leclerc, New York City, education in France	10,000
Louisa Leclerc, New York City, the Academy of France	20,000
Louisa Leclerc, New York City, Mt. Mauban seminary, France	100,000
Alexander Maitland, Princeton, N. J., foreign missions	20,000
Samuel E. Moore, Philadelphia, Soldiers' Families' assn., Eng.	25,000
Howard Paul, Hartford, Conn., various causes, London	200,000
John D. Rockefeller, New York City, foreign missions	25,000
John D. Rockefeller, New York City, Baptist missions	200,000
Mrs. Russell Sage, New York City, Syrian Protestant college	75,000
Nathan Strauss, New York City, English milk depots	25,000
Anonymous (an American), Paris statue to St. Pierre	10,000

The lists teem with names that have become household words. The President himself figures, having offered his $40,000 Nobel prize to further the cause of peace between capital and labor. Ex-Secretary of the Interior Hitchcock has presented a church to Crystal City, Mo., and the venerable Henry Gassoway Davis of West Virginia, once candidate for the Vice-Presidency on the National Democratic ticket, has largely aided the Y. M. C. A. of Maryland.

Archbishop O'Connell and Bishop Stang stand for the church; Chief Justice Paxson and Cortland! Parker for bench and bar; Chatfield Taylor and Allan Marquand for literature and art; T. P. Shonts and John Hays Hammond for the applied sciences, and Frederick Meyerhauser, the lumber king, has aptly given money to Yale's forestry school. Finance is represented by a score of names, high among them standing W. W. Astor, W. K. Vanderbilt, Henry Phipps, Jacob Schiff, Isidore Wormser, James Speyer, Vermilye and J. P. Morgan.

Nelson Morris may be held to represent Chicago; Henry L. Higginson may stand for Boston, Joseph Wharton for Philadelphia, Henry Laughlin for Pittsburg, Colonel Goddard for Providence and J. A. J. Creighton for Omaha.

Story of the Months.

In the records of the months, February leads by a long margin—again thanks to that $32,000,000 of the oil king—with a total of $40,410,300, more than three times the average for the months as a whole, which figures out at $11,032,452.09. April is second, showing $23,939,000, and May is third, with

J. PIERPONT MORGAN,

$15,025,500. Poor little six-figured July could pull together only $729,000—but then it was vacation time.

Nineteen-seven has often been spoken of as "an uplift year." We have had pointed out to us the marked advances it has seen toward a higher standard of public morals, toward the growth of prohibition, toward a closer approximation in the business world to those ideals of honesty which the individual American has always held. And is not such a record as this—tribute money to good works bestowed at the lavish rate of more than $15,200 each hour of the passing weeks and days—added proof that the old world grows better as it grows older?

WARWICK JAMES PRICE.

DEATH RECORD OF YEAR

JANUARY.

1—Charles D. Stack, at Ogden.
2—Patrick Martin, at Ogden.
3—Mrs. Isabella Calder Mackay, of old age.
4—Vida E. Drane, in Provo.
5—William P. Connor, of general debility.
6—James Dunster, of heart disease; Mrs. Delilah King Olson, from stomach trouble.
7—Michael William Higgins, at Ogden, from dropsy.
8—Lafayette Willams, of old age, at Ogden; Mrs. Nellie Parker Ross, at Ogden, aged 24; Mrs. James L. Brown, at Provo; Mrs. Elizabeth T. Topworth, in Salt Lake.
9—J. K. McCammon, of heart failure; Olga McKernon, aged 25, found dead in bed.
10—Cassie McCloskey, by suicide, taking carbolic acid.
11—Elias Salmenson, aged 70.
12—John G. Stringham, at Ogden.
13—Charles Haines, at Holy Cross hospital; Mrs. W. S. Evans, at Columbus, Neb.; Frank Engler, at Ely, Nev.; William Taylor, editor Plain Dealer.
14—Edna Rust, of diphtheria, in Ogden.
15—Mrs. Emma Peay, at Provo; Joseph Joseph, from effect of explosion.
17—Charles M. Lightfoot, aged 62 years, at Ogden.
19—Clifford Burbridge; Martin D. Busk.
21—Thomas Ethrington, aged 70 years, at Ogden; J. F. Williams, pioneer, at Richfield.
22—L. Crane, pioneer, at Bingham.
24—George McDonald; Mrs. Myrtle Burbidge Strang, aged 22 years, at Los Angeles.
29—Fred Vick, aged 21.
30—George L. Tracey, in Chicago; William Davis.
31—Alma Henry West, aged 51; V. E. Scheid, aged 73.

FEBRUARY.

3—Margaret Cross.
4—Miss Lucy A. Eldridge, aged 21, at Ogden.
9—Samuel Doxey, architect.
13—William Holmquist, due to elevator accident.
14—E. W. Cole, aged 26 years; Charles S. Rigby, aged 47.
18—Frank D. Hobbs, Register of the land office, aged 62, in Chicago.
20—Frank G. Ehsbar, aged 24.
23—Clinton B. Leigh, aged 42; Seth Taft, aged 48.
28—T. L. Heaney, aged 63 years.

MARCH.

6—W. A. Hughes, aged 38 years.
10—Anna Marguerite Burns, aged 50 years.
13—John McCafferty, from operation.
17—Eugene Lewis, aged 65 years, at Claremont, N. H.; W. R. Patton, pneumonia; W. P. Wilson, at Elko, Nev.
18—Joseph Goudey, aged 60 years.
19—Alovs Sauer, aged 52 years; Mrs. Ellan B. McClellan; John Oppliger, aged 29 years.
20—Dr. Mary E. Van Schoonhoven, aged 64 years.
21—John Ripley, at L. D. S. hospital.
22—Philip S. Maycock, aged 35 years.
23—Dr. J. W. Culley, aged 67 years.
24—E. J. Yard, aged 47 years.
26—William H. Laverich, aged 85, at Montpelier, Ida.; John Foster, aged 71 years; George Sessions, aged 63, at Lee, Nev.; Michael Marine, aged 23 years.
27—Laura Wade, aged 5 years; Adolph F. Kratzer, aged 52 years.
28—J. K. Birch, aged 2 years.
29—Heber Lee, aged 49 years; Timothy Dawson, aged 39 years.
31—Mrs. Margaret Ives, at Los Angeles.

APRIL.

1—Ruth Mills, aged 12 years.
4—William Washburn, aged 70 years.
5—Miss Annie M. Fenton, aged 67 year; Mrs. John Nicholson, aged 60 years.
6—Mrs. J. E. Scallon, at Hancock, Mich.
7—Charles H. Anderson; Joseph Dadley, aged 64 years.
9—Mrs. A. M. Randall, aged 34 years.
10—Mrs. Anna Mulholland, aged 82 years.
11—Mrs. Sarah White Thorn, aged 72 years.
13—William Cashin, at Bisbee, Ariz.
16—Joshua F. Grant, aged 51 years; John Brewer, at Deep Creek; Mrs. Jeremiah Ward Pinney, aged 65 years.
18—Pierce Robetaille, aged 11 years.
19—James Hagan, heart disease.
20—Henry J. Maiben, at L. D. S. hospital.
22—Mrs. Orson Truelson, aged 24 years.
23—William Barry, at Holy Cross hospital, from heart disease; W. H. Morgon, aged 65 years.
24—James Rowland, from injuries in a railroad wreck; George Barnes, at Holy Cross hospital; William W. Green, at L. D. S. hospital.
27—John D. Lynch, heart disease.
28—Henry McKear, aged 76 years.
30—Annie B. Hooper, aged 64 years.

MAY.

1—John Fowler, aged 40 years, at Pioche, Nev.
2—Mrs. C. W. Young, aged 78 years.
3—John H. Fullmer, aged 50 years.
5—John W. Snell, Jr., of hemorrhage.
6—Joseph Edmonds, aged 54 years.
7—Merrit H. Rogers, aged 56 years; Frank Jones, aged 17 years.
8—J. M. Richardson, aged 50 years.
11—William G. Odell, aged 77 years.
17—D. C. Booth, aged 75 years, at Pocatello.
18—S. S. Lindeman, accidentally killed by street car.
21—Ralph Pitts, aged 29 years.
23—Judge J. A. Miner, aged 65 years; Raymond Croomenes, aged 12 years.
24—Mrs. Theo Archer; Edward W. Parry, aged 82 years; Maria H. Thomas, general debility.

JUNE.

1—George L. Moats, at Dugway.
5—John S. Burleson, aged 19 years.
6—W. H. Riston, aged 35 years, accidental.
7—R. M. Bourne, aged 60 years.
8—John E. Hansen, managing editor Deseret News, 44 years.
11—George Teasdale, one of the apostles L. D. S., aged 75 years.
14—Mrs. R. M. Baird, aged 88 years; Mrs. Flossie Massie, aged 22 years.
17—Mrs. S. J. Townsend, aged 38 years; H. A. Mainquist, took his own life.
Christopher Reed, aged 58 years; Judge W. W. Gee, aged 79 years.
19—Orange J. Salisbury, aged 62 years, in New York City; Stewart Jenkins, aged 40 years; Lillian Giles, aged 3 years.
22—L. C. Fansler, aged 50 years.
25—Camille Moore, aged 40 years.
26—Mrs. M. F. Boyle, aged 60 years.
28—Cassius Crasseda, aged 44 years.

JULY.

2—Douglas A. Swan, pneumonia; H. S. Pitkin, aged 45 years; Mrs. W. A. McEnery, aged 43 years.
3—John C. Ensign, aged 78 years.
6—Mrs. Agnes Harvey, aged 72 years; Mrs. Alice Sadler, aged 39 years.
9—James Thompson, aged 64 years.
10—Mrs. John P. Quigley, general debility.
11—L. E. Pratt, aged 92 years.
12—Miss Marguerite Golding, aged 20 years.
18—John A. Strane, aged 28 years, accidentaly drowned.
19—Mrs. J. B. Moreton, aged 43 years.
23—Lawrence White, aged 14 years.
24—E. J. Swaner, aged 51 years; Lester McKittrick, drowned.
28—Thomas J. Rone, aged 69 years.
29—W. B. Stanley, aged 39 years; Fred J. Hill, aged 41 years.

AUGUST.

1—Alonzo Eastman, aged 45.
5—Miss Myrtle Robinson, aged 24 years.
6—Dr. Alexander Maclean, aged 52 years; Mrs. L. C. McLaughlin, aged 73 years.
7—Lillie May Fowler, aged 8 years.
13—W. P. Lynch, aged 47 years.
20—David Street, aged 70 years.
22—Perry J. Ansen.
26—P. J. Christensen, aged 41 years, suicide.
29—Joseph A. Pettit, aged 46 years.
30—W. P. Stirling, aged 34 years.
31—Mrs. Catherine Baker, aged 87 years.

SEPTEMBER.

3—Elias G. Matthews, aged 65 years.
4—Eva Stuffer, aged 35 years; S. J. Burchardt, aged 38 years; Catherine Baker, aged 87 years.
5—Sarah J. Fullmer, aged 70 years; C. E. M. Davis, aged 21 years; Helen M. Smith, aged 71 years.
6—J. W. Blom, aged 41 years.
7—James C. Lambert, aged 38 years; Ray Cantlon, aged 32 years; Fritz Meyer, aged 29 years; Dr. Frank A. Lange.
8—Grace Shappell, aged 27 years; P. L. Fitzgerald, aged 18 years.
9—Mrs. H. E. Godwin, aged 26 years.
10—Arthur Cook, aged 83 years.
11—Louis A. Labresque, aged 49 years; E. H. Plummer, aged 43 years; Jesse D. Freeman, aged 17 years.
12—R. H. Lawisch, aged 71 years; Royal C. Holter, aged 17 years.
13—Maud Harris, aged 25 years; Arthur Cook, aged 38 years; D. G. Ferguson, aged 43 years; Charles Turner, 28 years; John Faunce, aged 75 years; Ben Kereiga, aged 17 years; James Aflett, aged 17 years.
14—John R. Kirkwood, aged 39 years; F. A. Lange, aged 39 years; Mabel Herman, aged 27 years; Lyttleton Price, aged 60 years.
15—Nathan Young, aged 39 years.
17—Hannah McKilvay, aged 16 years; Susannah E. Barton, aged 24 years; Katherine Nelson, aged 71 years.
18—James W. Richards, aged 80 years; W. J. Noy, aged 50 years; Alley Martineau, aged 44 years; William R. Stead, aged 31 years.
21—David J. Cameron, aged 35 years.
22—Louisa E. Rands, aged 47 years; Margaret Telingler, aged 63 years; Margaret M. Grant, aged 25 years.
23—Miss Bessie Smith, aged 29 years.
25—Mrs. Elizabeth Davis, aged 37 years; Nellie Russell, aged 36 years.
26—Olaf Olson, aged 29 years; John Cain, aged 60 years; Virginia P. Smith, aged 29 years; George Morrison, aged 44 years.
28—J. L. Larsen, aged 28 years; John McVicker, aged 70 years; John Boukonen, aged 22 years.

OCTOBER.

1—Matthew Rhodes, aged 54 years, in Indianapolis, Ind.; N. C. Hardy, aged 40 years; E. F. Laughlin, aged 66 years; E. O. Murray, aged 60 years; P. C. Hormubal, aged 86 years; Annie F. Busby, aged 62 years.
2—Arthur E. Lepper, aged 36 years; Jane Howe, aged 61 years.
4—C. E. Barber, aged 39 years; George Thorn, aged 77 years.
5—Carl M. Newhouse, aged 49 years; Ruby Salisbury, aged 33 years.
8—John M. Campbell, aged 89 years.
10—Edward Arnold, aged 88 years.
11—Nicholas M. Groesbeck, aged 14 years; Edward Beck, aged 22 years; Samuel Smith, aged 23 years.
12—J. J. Hasler, aged 59 years; Adela J. Lilley, aged 36 years.
13—J. G. Mair, aged 44 years; Janie Edwards, aged 34 years.
14—Mrs. Hattie D. Abbott, aged 42 years.
16—Matt Hill, aged 32 years; W. C. A. Vissing, aged 77 years; R. A. Sessions, aged 19 years; Jennie A. O'Reilly, aged 49 years; H. T. Peterson, aged 70 years.
17—R. A. Johnson, aged 28 years; W. R. Smith, aged 35 years; Henry Mikesell, aged 53 years; Charles Gustafson, aged 35 years.
18—Mrs. George H. Sutton, aged 25 years; William F. Strickley, aged 20 years; R. G. Murray, aged 70 years; A. K. Pauley, aged 29 years; John E. Keogh, aged 23 years; Grovanna Scussel, aged 44 years.
20—Annmetta Bjorkmon, aged 85 years; Frederick Coon, aged 31 years; John Boyd, aged 45 years; Minnie Rutherford, aged 27 years; Lillie J. C. Jordan, aged 18 years; W. E. Bettridge, aged 77 years; Isaac D. Gregg, aged 84 years.
22—L. B. Wilder, aged 28 years; Mary Cronin, aged 37 years; J. R. Dalton, aged 35 years; J. J. L. Kimball, aged 35 years.
24—George Butterfield, aged 18 years; Leo Knapp, aged 9 years.
25—Watkin Benyon, aged 65 years; Marie M. Winger, aged 34 years; K. Kumishi, aged 42 years; Rose Harwood, aged 15 years.
26—Elizabeth Gulbransen, aged 72 years.
27—H. C. Butler, aged 57 years; G. L. Halvorsen, aged 56 years; Thomas Coughlin, aged 42 years.
29—E. Sargent, aged 45 years; B. H. Schettler, aged 74 years; Everett Marshall, aged 10 years.
30—Caroline Matilde, aged 57 years.
31—Leslie Urquhart, aged 26 years; R. W. Wright, aged 38 years.

NOVEMBER.

1—Sophia Hall, aged 40 years.
2—Janet L. McLean, aged 27 years; Emma F. Stone, aged 41 years; Charles H. Martin, aged 18 years; Amelia Fredericks, aged 48 years.
6—J. B. Kersey, aged 70 years; Elias Thomas, Sr., aged 78 years; Ingeborg Miller, aged 89 years.
7—F. W. Gregory, aged 30 years.
9—Sam Mastroandrekos, aged 48 years; George Skordakos, aged 22 years; Rhoda M. Brown, aged 82 years; Emma May Corbett, aged 6 years.
10—J. E. Ingham, aged 8 years; Tony Sento, aged 29 years; E. E. Hennefer, aged 50 years; Gertrude M. Berry, aged 32 years; James A. Owens, aged 22 years.
12—Jedediah Parker, aged 68 years; Mamie Brace, aged 25 years; H. L. Johnson, aged 22 years; Jennie Ege, aged 58 years.
13—Johannah M. Jensen, aged 65 years; James C. Macaulay, aged 23 years.
14—Sarah J. Lloyd, aged 50 years; Robert T. Burton, aged 86 years; John Gunn, aged 81 years.
15—Anna E. Street, aged 68 years; F. M. Allen, aged 73 years; Margaret C. Hull, aged 55 years; Martin Clay, aged 12 years; H. B. Johnston, aged 30 years; Fred Habbeshaw, aged 7 years.
16—James Baxter, aged 55 years; Elias D. Shelton, aged 69 years; Edwin D. Crowther, aged 67 years; John W. Gordon, aged 9 years.
17—Susannah Bayliss, aged 83 years; Fannie L. Morris, aged 8 years.
19—D. H. Dorsett, Della L. Trent, William F. Clay.
20—Skeno Serafino, aged 26 years; Elizabeth J. Busol, aged 32 years; Martha Luce, aged 58 years; Gladys Foster, aged 4 years; Royal W. Robertshaw, aged 19 days.
21—Estella M. Phillips, aged 9 years; May Ostrander, aged 29 years.
22—R. B. Rauck, aged 65 years; John W. Adams, aged 90 years; Martha A. Mullen, aged 54 years; Frank McLain, aged 46 years.
23—H. H. Westman, aged 28 years; Rhody Brundage, aged 70 years; Hannah E. Jacobs, aged 25 years; John E. Taulson, aged 20 years; Fanny Wood, aged 84 years.
24—Alanson D. Reamer, aged 31 years; Mary Waechter, aged 33 years.
26—Alice I. Roberts, aged 31 years; June Colton, aged 16 years; Riley Taylor, aged 21 years; Jacob G. Brodie, aged 65 years; Irvine W. Brown, aged 14 years; Caleb J. Bywater, aged 37 years.
28—Joseph Dallimore, aged 20 years; Ferdinand Diepert, aged 68 years.
30—Charles A. Molson, aged 46 years; Sterling J. Seelye, aged 57 years; Margaret Furlong, aged 53 years; Rosalia Cummings, aged 41 years; Anna Wilson, aged 21 years; John Thorn, aged 45 years; Arthur C. Vincent, aged 21 years.

Bee Industry of Utah

It has been stated above that bee colonies thrive best in localities where there are few people and perhaps very little soil cultivation. Bees are creatures of the wilds. The State of Utah is especially adapted to the raising of bees and before it became settled, especially before many smelters were erected, offered unexcelled opportunities for the producing of honey. The white honey produced from the lucern and the white clover was the best in the country, if not in the world. At the Irrigation congress held at Ogden in 1903, Utah secured the gold medal in competition with all the principal honey-producing sections of the country. The exhibition at the World's fair that same year also attracted considerable attention and secured a gold medal.

Statistics furnished by the State statistician for seven years beginning with 1900, show that there has been a distinct falling off in the honey crop in those counties which have increased greatly in population and especially in Salt Lake county, where smelters have been erected.

Ten years ago there were 1300 colonies of bees in Salt Lake county. This year it is reported that an estimate of 25 would be large. Vernal, in Uintah county, is a good honey-producing section and at the present time is one of the best in the State. It is a new locality and little settled, so that there is a good deal of wild lucern and clover growing. Mayfield and Ephraim, in Sanpete county, are centers for good honey crops. A great deal of good honey comes from the northern part of the State.

Although many bees do live on the mountains, extremely high altitudes are not good for bees. Hence there are almost no bees in Summit county. There are a few in Wasatch county, but the best results are obtained in Emery county. During the past year the beekeepers in the southern and south-central parts of the State have obtained about the normal crop of honey, but the severe storms in the northern part of the State, especially during the month of June, caused a distinct falling off in the amount of honey produced. The value of the honey crop to the beekeepers may be seen from the fact that a good colony of bees will cost about $5. Each colony will produce in the course of a year on the average about 150 pounds of honey. The extracted honey sells for about 7 or 8 cents a pound at the present time, but this is a little above the price of a few years ago, when the honey sold for only 5 cents a pound.

The following table shows the value of the honey industry in some of the counties and in the whole State:

County.—	1907.	1906.	1905.	1904.
Beaver	$ 210	$ 150	$ 40	$ 160
Emery	12,558	9,936	10,652	10,860
Juab	1,520	1,906	2,168	2,110
Salt Lake	170	.....	.....	.....
Uintah	8,442	14,740	12,238	15,854
Utah	10,000	12,506	9,140	8,120
Wasatch	700	580	240	550
Total, State	$62,728	$62,076	$50,290	$60,550

INSECT PESTS, 1907

By E. G. Titus, Entomologist Agricultural Experiment Station.

Some things we now have always with us: The codling moth, the woolly aphis, the grasshopper, the beet worms. Others come from wild plants, in our own State, for instance, the beet-leaf hopper, the so-called "white fly," which two years ago caused so much damage. It came, it ate, it conquered many beet fields, but the next time an outbreak occurs we all hope to be better prepared to meet it and do some of the conquering on our side. Other pests come from other places and here we note, though not with pleasure, the San Jose scale, one of the most pestiferous of insects and one becoming more widespread every year. The past spring was, as we know, too severe for many plants, greatly retarding their growth; at the same time undoubtedly checking the development of some of our worst pests.

Taken one year with another, Nature let alone would keep all things well balanced. Man steps in and introduces new crops and breaks up new ground and the insects that are there have to be fed on something. The up-to-date farmer will take care of them as soon as he finds out their way and Nature will attempt her share of the control and multiply the enemies of the enemy.

Native Hoppers in Plenty.

The warrior grasshoppers that several years past cost the people of Sevier and Sanpete valleys so much labor and money have not been in evidence much, but their brethren, the "natives," have attended to their duties quite thoroughly in some of the valleys the past season. Especially in regions adjoining higher and sandy places, the young hoppers came out in myriads and attacked growing grain and later did considerable damage to other crops—more especially seed alfalfa and young orchards. They came into young orchards from grain or grass land that had been recently cut and stripping trees of leaves, eating the bark from the twigs and caused general havoc. In some fields of alfalfa they ate the second crop off almost before it was above the stubble and later cleaned the flower buds and leaves from that kept for seed. The resultant loss was very considerable.

Grasshopper Machines at Work.

Cache valley had one of the worst of these outbreaks and the destruction of these grasshoppers was taken up in a systematic manner. A number of "grasshopper catchers," as the machines are called, were constructed. The machines are 21½ feet long and two boys and a team of horses can go over twenty to thirty acres of alfalfa a day with one machine. On badly infested fields five to six bushels an hour were captured and twenty-five bushels a day were often taken on larger areas. Most of the grasshoppers were full-grown when captured as the outbreak was not reported until late in the season. The capture of the young hoppers earlier in the season would have resulted in the saving of most of the crop. The machines have been worked successfully on grains, grass crops and sugar beets and there is no reason for any farmer to allow grasshoppers to clean up his profits in the future. The cost of building the grasshopper catcher is small—twelve or thirteen dollars. The cost of running it figures but small when the value of the crop saved is counted.

Spraying the Orchards.

Well-sprayed orchards are now the rule, not the exception, in the State. At the State fair the experiment station exhibited the entire crop of fruit from one average tree in the Smart orchard at Logan; 3218 apples without worms, and eighteen only that were injured by worms. Less than one per cent wormy and with only one spraying. A number of cases of equally good reports have been noted and some even better where sprayed two or three times. Ninety-five to ninety-eight per cent clean, sound apples is the average in many orchards. These results are obtained by thorough, good work, year upon year, driving the spray carefully, surely into the calyx cups.

Some young orchards have had an over-abundance of aphides or "plant lice," but will most likely next year be nearly free, as these insects come and go from year to year and usually their destroyers, the lady beetles, cooperate with the farmer and aid in keeping them well in hand.

The sugar beet pests have fortunately been rather scarce this year. The beet army worm has here and there caused a small amount of damage, but machines that will spray several rows were put in operation and effectually checked the enemy.

San Jose Scale.

As we noted above, we have with us the San Jose scale. This notorious pest, introduced into the United States some decades ago, probably from China, has been in our State for some years. Heretofore it has been confined to old trees and town lots in two or three counties. The past year or two has seen it commence to spread and it is rapidly becoming a serious problem in those localities where it occurs. Too much emphasis cannot be laid on the importance of early action against the San Jose scale. At present it is somewhat isolated and our Utah valleys being well separated, will aid in its extermination if taken a section at a time. This is something we must get rid of before it seriously injures our fruit industry. Every fruit grower should make it a point to see that he has no scale in his orchard; if he finds it is there, get busy. It will cost but little now and will irreparably damage us if allowed to remain. It is a problem worth the attention of everyone that has the future growth of the fruit interests of the State at heart.