GENEALOGY.

James H. Martineau Gives Interesting Data of His Forbears, Descendants of The Huguenots of France—St. George Temple Work.

All communications for this department should be addressed to Mrs. Elizabeth C. McCune, corner Main and First North streets, Salt Lake City, chairman genealogical committee, Daughters of the Pioneers.

Mrs. Elizabeth C. McCune, President Daughters of Pioneers.

Dear Madam:

The publication in the Deseret News of genealogical and temple work has already been productive of much good, several known to the writer having thus received valuable information relative to their kindred living or dead; and as I have had a work done more or less complete for several thousand names I find in my record those of many now living in the Church connected by intermarriage. It may be that for some of them a work has also been performed by others. To avoid such possible chance for error in time to come I give a sketch of my family connections and temple work performed.

So far as I know, I am the only Martineaux ever baptized into the Church from the outside world; if there be others I would like to know and correspond with them, as thus missing genealogical links may be supplied both parties.

My father, John Martineau, born March 27, 1793, was a son of Stephen, born March 22, 1761, son of Stephen, born March 22, 1827, descendants of Elie and Marguerite Barbesson of Dieppe, France. They were Huguenots, and by the revocation of the edict of Nantes in 1682 became victims of a persecution so deadly that multitudes—all who could—fled to Switzerland, Holland, Germany, England and America for refuge. David, son of Elie noted above, escaped with his family to England and became head of the English branch of Martineaux. I here remark that some years ago my son, Lyman R. Martineau, when in London, met and obtained from Mr. Basil Martineau, an eminent barrister, a complete record of the family and connections back to Elie, 1682. To obtain these names and dates Basil had expended over $10,000, and my son obtained all simply by copying a thousand or more names. The ways of our Father are wonderful, in thus opening a way to salvation for those who never heard the gospel; for all these have had temple work performed for them.

My father went to England at the age of 18 years; went to college and graduated as a physician, surgeon and civil engineer, and there married as his first wife the widow of Capt. Hawkins of the royal navy, who left at his death a son, Samuel Hawkins, and daughter, Elizabeth. She was a daughter of the Earl of Stanhope, disowned because she had married one not of the nobility. By her my father had two daughters, my half sisters Julia and Lucretia. Julia married a Mr. Winslow of Boston, since when all trace of her is lost. Lucretia died young.

My father's second wife, my mother, was Eliza Mears, daughter of James Mears and Lois Sprague Mears, born 1800, and married at the age of 17 years. After father's death she married William Babcock of Vermont. All her children are dead except myself and Mrs. Lois E. Voswinkel of Tomah, Minn.

By my father's first marriage he became connected with some of the most noble families of Great Britain—the Earls of Bedford, Minto and Stanhope, Lords Chatham, Chesterfield, Russell and Halifax.

Because of this connection I have performed for them all a work in the holy temple, as complete as possible, with those of their families whose names I could obtain.

After the conquest of Gaul (France) by Julius Caesar, it became Romanized by multitudes of Romans who were granted lands there. Among these were my Roman ancestors, their name in Latin being Martinus, masculine, and Martina, feminine. The British Encyclopedia gives the change of name from the Latin to other nationalities as follows: Spanish and Italian—Martino; German and English—Martin; French—Martineau; Portuguese—Martinho. The name in Latin was also by some branches of the family spelled Martinus, the letter t being omitted. The family was prominent from early times, five popes being of the family and many others high in authority in the Catholic church. In A. D. 235 one of the family, a girl of 15 years—Martina—suffered death by burning rather than sacrifice to the Roman pagan gods. She is now a Catholic saint—Santa Martina. The most ancient family name I have found is that of a daughter of a Roman General Martinus. Her marble tomb still stands among others among the ruins of an ancient fortified Roman post between Aleppo and Damascus, in Syria. In that climate where rain seldom falls the inscription upon the tomb is still legible; it reads, as translated from Latin into English that the tomb was erected "in honor of the manes of Lucilla, beloved daughter of Martinus Imperator (general)." The word manes is equivalent to our word soul or spirit, and conclusively proves the general and his family were pagans, not having embraced Christianity, for Christians never used the word manes nor paid any religious or other honors to the spirits of their dead. The date upon the tomb was about A. D. 70 or 80, the first figure being a little indistinct. This tomb was discovered by a Greek Mormon missionary—Lucander—while on a mission in Syria many years ago, and described by him in a letter published in the "News." Since then I met the elder in Mexico, receiving from him full particulars. A work has been performed for her after so long a wait of many centuries and she has undoubtedly received it with joy. I mention these things to illustrate how our Father makes known scattered names, which in due time will all be connected together.

On my mother's side I have unbroken history back to 1600. Her father, James Mears, born 1774, was a soldier in the war of 1812. His father, John Mears, served under Washington, and was present at the execution of Major Andre. His father, also John Mears, served in the "French and Indian" war of 1756, and was taken prisoner by Montalem, the French general when he captured Fort Oswego. The name of the family is variously spelled in ancient records, as Meers, Meares, Myers, etc. I think the family was of Welsh origin.

My maternal grandmother's ancestry were Hutchinsons, descendants of a younger son of Lord Hutchinson of England. Who founded a family in the early settlement of Massachusetts about the year 1624. They were all Puritans, prominent in early days and valiant as soldiers. Several were killed in various Indian wars. Mrs. Ann Hutchinson and children in 1627; William, in 1642; Edward Hutchinson, killed in "King Philip's" war, 1675; Nathaniel in 1693 and Moses Hutchinson, wife and child, 1695.

My great-grandmother, Lois Hutchinson, married William Sprague; her daughter Lois Sprague married James Mears, my grandfather in 1796, removing from Berkshire, Mass., to central New York, then an unbroken forest. He died at the age of 93, his wife, three years previously.

Among my ancestry there is no record of any disreputable in any manner, all being devout according to the light they possessed.

The following are names for whom I have had temple work done:

Hains—Hilyard, Babcock, Allen, Hawkins, Poole, Merrill, Decker, Hyde, Bates, Beatty, Webb; Neave, Rand, Collins, Cunningham, Blackburn, Wade, Howes, Brewer, Marsh, Wilde, Day, Jardine, Fletcher, Sprague, Hutchinson, Mears, Cooley, Hurt, Crittenden, Barlow, Hale, Hadlock, Leavitt, Taylor, Morrill, Shuman and many others. Females—Ferguson, Russell, Dean, Hutchinson, Beatty, Christopher, Webb, Neave, Brewer, Stewart, Harris, Clark, Scott, Smith, Jardine, Day, Taylor, Parry, Rogers, Stephens, Pierce, Langdon, Foster, Louise, La Valliere, Davenport, Anderson, Baker, Wood, Leavitt, Sprague, Cole, Brown, Morrill, Morris, Parker, Button and many others.

Parties interested may receive information of work done by sending an envelope, self addressed, with stamp, to me at Colonia Juarez, Chihuahua, Mexico.

Many years ago the writer was blessed by patriarchal authority at three several times to lead forth and do a great work for the Lamanites, a prophecy at that time very distasteful, as I was filled with hatred against them; but our Father in His mercy took from me that hatred by a dream or vision, I know not which, and gave me instead love and desire for their redemption through the ordinances of His holy house. Authorized by the presidency, I have acted in behalf of several hundred of the blood of Lehi, including all the noted Lamanites of the United States, Mexico, the Incas of Peru, and a noble line of Auracanian chieftains of South America who for centuries defied the efforts of Spain to conquer them. The Mexican names include the Montezuma emperors, their wives and children, with many subject kings, princes and chieftains; also Hidalgo, Allende, Morelos, Guerrero and others who died for their country, and President Benito Juarez, their second liberator.

JAMES H. MARTINEAU.

TEMPLE WORK ALREADY DONE.

Following are names of families and parts of families already worked for in the temples. These lists should be preserved:

ST. GEORGE TEMPLE.

Hart family of England and New England, by President Wilford Woodruff.

Holt family of New England, by James Holt Hebron.

Hepworth, Dyson families of England, by Squire Hepworth, Springdale.

Hill, Slade, Dowding families of England, by Julia H. Ivins, St. George.

Hamblin, Haynes, Stoddard families of New England, by Jacob Hamblin.

Harrell, May families of Southern States, by Martha H. Davenport.

Hulett, Allen families of New England, by Sylvanis C. Hulet, Summit, Utah.

Hodge, Lassiter families of Southern States, by Wilson L. Hodges.

Hunziker family of Switzerland, by Niklaus Hunziker.

Harman, Marks families of England, by Joseph Harman.

Hardy, Rogers families of New England, by Samuel Hardy.

Hafen family of Switzerland, by John G. Hafen.

Hunt, Sutherland families of Scotland and England, by Thos. W. Hunt.

Harrison, Skelding, Cartwright families of England, by Richard Harrison.

Hardy, Dewston families of New England, by Josiah G. Hardy.

Huntsman, Waltermier, Call families of New England, by Joseph S. Huntsman.

Hunt family of New England, by Amos Hunt.

Hanson, Jonnsater, Bjornsdatter families of Denmark and Iceland, by Christian Hanson.

Hoyt family of New England, by Silas Hoyt.

Harris, Griffth and Llewellyn families of Wales, by Llewellyn Harris, Escalante, Utah.

Hardy, Norris families of New England, by Samuel B. Hardy.

Ide, Jackson families of England, by James M. Ide.

Ingram, Rankin and Henderson families of Ireland, by Alexander B. Ingram.

Ivins, Ridgeway, Wright and Tucker families of New England, by Israel Ivins, St. George.

Ingebrightsen, Olsen and Anderson families of Norway, by John A. Olsen.

Jarvis family of New England, by George Jarvis, St. George.

Jensen family of Denmark, by Thos. P. Jensen.

Jackson family of Southern States, by Clarence Jackson, address Mrs. J. J. Higgins, St. George.

Johnson family of New England, by Warren M. Johnson.

Jones and Davis families of South Wales, by William E. Jones.

Jensen and Pederson families of Denmark, by Andrew Jensen.

Jones and Miller families of New England, by Thomas J. Jones, Overton, Utah.

Johnson, Andersen, Mortensen families of Norway and Denmark, by Hogan Hanson.

Judd, Dart families of New England, by Zadok K. Judd, Kanab, Utah.

His Cigar Doesn't Taste Right

And Yet It Is the Same He Was Smoking With So Much Relish After Dinner, Last Night. Out Of the Very Same Box, Too.

IT ISN'T THE CIGAR—IT'S THE STOMACH.

Every smoker has experienced this peculiar condition of the stomach and liver, the result usually of imperfect digestion of food. And the blame is usually put on the cigar and not where it belongs.

Such men are usually high livers, hard workers mentally, living under high pressure and high draught, and it doesn't take a great deal to disorder the stomach or render the liver torpid.

They should make it a practice to use some tried and reliable remedy like Stuart's Dyspepsia Tablets, that will aid Nature and not force it and will take care of the sudden attacks of acute indigestion.

The use of these tablets is not to be confounded with the patent medicine habit. Stuart's Dyspepsia Tablets are not a patent medicine, but are composed of the very elements which nature provides the healthy stomach to do the work of digestion—pepsin, diastase, golden seal, etc. There is no secret in their preparation—they are absolutely pure and therefore all the world uses them.

No matter how disordered the stomach may be, it will right itself if given the chance. Stuart's Dyspepsia Tablets digest food where the stomach can't, give the abused stomach and intestines a rest, and offer renewed strength to the worn out glands and muscles.

Brain workers can rely on Stuart's Dyspepsia Tablets, no matter how tense the strain. All druggists carry them in the fifty cent packages, or if you prefer a free trial package can be had by sending your name and address today. F. A. Stuart Company, 50 Stuart Building, Marshall, Mich.

Church Notices.

Regular services of the Church of Jesus Christ of Latter-day Saints will be held in the Tabernacle at 2 p. m. tomorrow, Sunday. Sunday school at 10 a. m., and meetings in the city ward assembly rooms and adjacent wards as follows:

	TIME		TIME
First	6:30	Twentieth	6:30
Second	6:30	Twenty-first	6:00
Third	6:30	Twenty-second	6:30
Fourth	6:30	Twenty-third	6:30
Fifth	6:00	Twenty-fourth	6:30
Sixth	6:30	Twenty-fifth	6:00
Seventh	6:00	Twenty-sixth	6:00
Eighth	6:30	Twenty-seventh	6:00
Ninth	6:30	Twenty-eighth	6:30
Tenth	6:30	Twenty-ninth	6:30
Eleventh	6:00	Thirtieth	6:30
Twelfth	6:30	Thirty-first	6:30
Thirteenth	6:30	Thirty-second	6:30
Fourteenth	6:30	Thirty-third	6:30
Fifteenth	6:30	Brighton	2:00
Sixteenth	6:30	Cannon	6:00
Seventeenth	6:30	Center	6:30
Eighteenth	6:30	North Point	1:00
Nineteenth	6:30	Pleasant Green	2:00

The quarterly stake conference of the Liberty stake will convene in the assembly hall on Sunday, the 28th inst., at 10 a. m. The afternoon session will be held in the tabernacle. At the morning meeting an interesting musical program will be given by the Liberty Choral society, which won the first prize at the musical chautauqua at Wandamere last summer, under the direction of Joseph Poll, with Gordon Garrett as organist. The program will be as follows:

Opening Selection .. Light and Truth. Choral Society.
Gloria ..... Mozart. Choral Society.
Tenor Solo, "My Faith in Thee," ..... Joseph Poll.
"The Crusaders" Liberty Male Chorus.
"Awake My Soul," ..... Stephens. Choral Society.

The stake presidency earnestly urge all the saints of the stake to attend these meetings, and are especially anxious to have a large representation of the priesthood.

The priesthood meeting of the Salt Lake stake will be held in the Sixteenth ward meetinghouse at 7:30 p. m., Monday, Oct. 21, 1907.

The Ensign stake priesthood will meet in regular monthly session on Monday, the 21st inst., at 7:30 p. m., at the Twentieth ward meetinghouse. Dr. E. G. Gowans, judge of the juvenile court, will address the meeting. His subject, "The Control of the Young," is of timely and vital interest to all members of the priesthood.

GRANITE STAKE.

Ward	Hour	Ward	Hour
Benallon	2:00	Mill Creek	2:00
Big Cottonwood	2:00	Murray, First	2:00
East Mill Creek	2:00	Murray, Second	2:00
Emerson	6:30	Waterloo	6:30
Farmers	6:30	Wilford	2:00
Forest Dale	6:30	Winder	2:00
Granger	2:00	Sugar House	2:00
Grant	2:00	So. Cottonwood	2:00
Hunter	2:00	Taylorsville	2:00

The regular monthly meeting of the high priests' quorum of the Granite stake will convene on Sunday morning, Oct. 20, 1907, at 10 a. m. Special subjects have been assigned to good speakers and an interesting meeting will be had. All high priests are urged to be present.

Other Churches.

Services will be held in the various non-Mormon churches tomorrow as follows:

METHODIST.

First Methodist Episcopal church, corner Second East and Second South streets; Francis Burgette Short, pastor—Class meeting at 10 a. m.; William Broome, leader. Preaching at 11 a. m.; subject, "The Christian Family." Sunday school at 12:15 p. m.; H. J. Stearns, superintendent. Epworth league at 6:30 p. m.; Harry C. Scott, president. Preaching at 7:30 p. m. Popular service for one hour. Special singing by the congregation. Come and bring your family.

Liberty Park M. E. church, corner Eighth East and Ninth South; E. Charles Parker, pastor—Sunday school at 10 a. m.; A. Tracy superintendent. Public worship at 11 a. m. and 7:30 p. m.; subject for morning sermon, "One of God's Requirements;" evening subject, "One of Man's Requirements." Class meeting at the close of morning service. Prayer meeting Wednesday at 7:30 p. m. The regular monthly meeting of the official board will be held at the pastor's study Monday evening at 7:30.

Iliff M. E. church, Ninth East and First South; D. M. Helmick, pastor—Preaching at 11 a. m. and 7:30 p. m. by the pastor. Morning subject, "Brushing Away the Cobwebs." Evening theme, "The Four Ables." Special music at both services. Mr. Grant will render a cornet solo at the morning service, and the male quartet will sing in the evening. Sunday school at 10 o'clock, the Rev. J. M. Settle, superintendent. Epworth league at 6:30; subject, "What is the Cause of, or What Leads to the Excesses in the So-called Popular Amusements?" Discussion led by Dr. S. J. Townsend. You are cordially invited to attend these services. Seats free.

Norwegian and Danish M. E. church, 523 south Fourth East; H. I. Hansen, pastor—Sunday school at 10 a. m., conducted in the English language. All are invited. Teaching in the Norwegian and Danish language at 11 a. m.; subject for the sermon, "The Evil and Effects of Unbelief." All Scandinavians are cordially invited.

PRESBYTERIAN.

First Presbyterian church, northeast corner of South Temple and C streets; Rev. William M. Paden, D. D. pastor—Morning services at 11 o'clock. Evening services at 7:45 o'clock. Sunday school at 12:30 p. m. Young people's meeting at 7 p. m. Midweek services on Wednesday evening. Teachers' meeting at 7:30; prayer and conference at 8 p. m., led by Mrs. G. T. Ingersoll; topic, "The Women of the Bible." The public cordially invited to all these services.

Third Presbyterian church, corner Eleventh East and Eleventh South; Herbert E. Hays, pastor; Wade Loudbourow, superintendent of Sunday school—Services on Sunday as follows: Preaching service at 11 a. m.; subject, "The Beginning of Sin." Preaching service at 7:30 p. m.; subject, "The Christian's Approach to Death." Sunday school at 12:15; lesson, "The Capture of Jericho." Christian Endeavor at 6:30 p. m.; topic, "The duties of the Day." Prayer meeting Wednesday at 7:30 p. m.; studies in the book of Hebrews.

First Baptist Church, Murray City, Jesse Hyde, pastor—Church located one block west on Seventeenth South. Sunday school Sunday morning at 10 o'clock. Junior Union Sunday afternoon at 4 o'clock. Preaching Sunday evening at 7:30 o'clock; subject, "Full-Grown Sin." All are asked to attend public worship in the house of the Lord.

Westminster Presbyterian Church, Fourth West between First and Second South streets, Charles Curtis McIntire, pastor, residence 271 West Fifth South street—Public worship, 11 o'clock. Sermon, "The Privilege of Prayer." Sunday school and Bible classes, 12:15 Mr. Earl Havenor, superintendent. Mission Sunday school, 832 West First North, at 1:30. Senior Christian Endeavor, 6:30. Evening services, 7:30—the third special service in the interests of the workingman. Sermon, "The Laborer and the Drink Question." Special music. All wage earners especially invited. Wednesday evening service of conference and prayer at 7:45. A cordial Christian welcome to all at any of all these services.

LUTHERAN.

First German Evangelical Lutheran St. John's church, Seventh South and State; William J. Lankow, pastor—Sunday school at 9:30 a. m. Divine services at 10:30 a. m.; subject of sermon, "True Faith in God." Quarterly meeting of voting members at 12 m.

Holy Trinity English Lutheran church, 336 south Fourth East street; F. W. Bussard pastor—Twenty-first Sunday after Trinity; Sunday school at 10 a. m. Morning service at 11 o'clock. Solo by Miss Mabel Cooper. All cordially welcome.

First Baptist church, corner Second South and Second West, Rev. D. A. Brown, pastor—Preaching at 11 a. m. and 7:30 p. m. Sunday school at 12:30; Horace Tucker, superintendent. B. Y. P. U. at 6:30 p. m.; leader, Miss Elvira Bong; topic, "The Duties of the Day." Wednesday evening service at 7:45; topic, "Salvation Complete in Christ." A welcome to all.

Rio Grande Mission chapel, Second South between Ninth and Tenth West—Sunday school at 10 a. m. A. W. Flynn, superintendent.

Burlington Mission chapel, corner Indiana avenue and Navajo street—Sunday school at 10 a. m. F. J. Lucas, superintendent.

The Danish Evangelical Lutheran church, Harold Jensen, pastor, residence 424 Fourth avenue—Services at 3 p. m. at the Norwegian Lutheran church, 454 south Fourth East. Subject of sermon, "The Kind of a Faith." Sunday school at 2 p. m. At 4:15 p. m. the meeting for adopting a constitution. All Danes and Norwegians cordially invited.

Swedish Lutheran church, corner Second South and Fourth East streets—Sunday school at 10 a. m. Morning service at 11 a. m. O. Olson, reader. Evening services at 8 p. m. Sermon in the English language by Rev. F. W. Bussard of the English Lutheran church. The pastor of the church attends church dedication at Park City, Utah. Wednesday evening prayer meeting. Friday evening choir practise. Saturday evening catheoumen class.

SCIENTIST.

First Church of Christ, Scientist, 336 east Third South street—Sunday school at 9:45 a. m. Church services at 11 a. m. and 8 p. m.; subject, "Probation After Death." Wednesday evening, at 8 o'clock, a meeting is held for the purpose of telling of the healing of sin and disease. Free reading rooms open daily, except Sunday, from 10 a. m. to 5 p. m., in rooms 605-7 Scott building, 168 Main street.

Second Church of Christ, Scientist, Ladies' Literary club building, 20 Third East street—Lesson sermon at 11 a. m.; subject, "Probation After Death." Sunday testimonial meeting at 8 o'clock. All are welcome.

BAPTIST.

East Side Baptist church, corner Third South and Seventh East streets—Preaching by the pastor, Rev. Louis S. Bowerman, 11 a. m. and 7:30 p. m. Morning subject, "He Shall Direct Thy Path." Evening subject, "Message of Baptism;" the ordinance of baptism will be observed. Bible school, classes for all, 12:15 p. m. Young People's society at 6:30 p. m. Deacon's prayer meeting at 10:30 a. m. Junior's society at 4 p. m. Wednesday. Midweek prayer and social service Wednesday at 7:45 p. m. A cordial invitation is extended to all to be present at any and all of these services.

Calvary Baptist Church, Second South near Fifth East; John Haller, pastor—The regular services will be held at this church on Sunday, Oct. 20, 1907. Morning worship, 11 o'clock; Sunday school, 12:30 p. m.; B. Y. P. U., 7 p. m.; evening service, 8 p. m. Morning subject, "The Church Triumphant;" evening, "The Time of Reaping."

CHRISTIAN.

Central Christian church, corner Third East and Fourth South, Dr. Albert Buxton, pastor; residence 466 Fifth East street; Independent phone 2991—Sunday school, 9:45 a. m.; sermon by Dr. Buxton, 11 a. m. and 7:45 p. m.; Christian Endeavor, 6:30 p. m.; prayer meeting Wednesday evening.

EPISCOPAL.

St. Mark's cathedral, 235 East First South street, Rev. Benjamin Brewster, dean—Services for the twenty-first Sunday after Trinity: holy communion at 7:30 a. m.; Sunday school at 9:45; morning prayer, litany and sermon at 11; evening prayer and sermon at 7:30.

St. Peter's chapel 657 north Second West street—Sunday school at 9:45 a. m.; evening prayer and sermon at 7:30 p. m.; R. W. E. Jennent, lay reader.

REORGANIZED CHURCH.

Reorganized Latter-day Saints, Eastman's hall, 323½ South State street.—Sunday school at 10 a. m.; social services at 6 p. m.; Book of Mormon study; preaching at 7:30. Public invited.

CASTORIA
For Infants and Children.
The Kind You Have Always Bought
Bears the Signature of Chas. H. Fletcher.

Cure Constipation Without Drugs,

IN THE PRIVACY OF YOUR OWN HOME.

FREE COUPON BELOW.

PROF. T. H. MIDGLEY,
Constipation Specialist, Inventor of the Drugless Constipation Cure.

Without the use of pills, purgatives or drugs of any kind, I can and do cure the worst cases of chronic constipation—cure them to stay cured, and restore the patient to a state of health and happiness such as they had never known before. I can cure constipation no matter how bad it is. I can show you how to cure yourself right in your own home without the use of drugs. Constipation is cured for all time when cured my way. Fill out free coupon and mail today.

FREE COUPON

Fill in your name and address on dotted lines below and mail to Prof. T. H. Midgley, 340 Midgley Block, Kalamazoo, Mich., and by return mail he will tell you free how to cure constipation without medicine.

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SCIENTIFIC MISCELLANY.

Soil surveys were begun in the United States in 1899, and by June 30, 1906, according to J. A. Bonsteel, an aggregate of 19,648 square miles, or 12,575,360 acres, had been mapped in 41 states and four territories, this being about one-twenty-fifth of the whole country and a little less than one-tenth of the land actually in farms. The field work of survey consists in determining the texture, structure, quantity and distribution of organic matter, internal natural drainage and topographic relief of the soils. Closely similar areas are classed in the same soil type, several types differing only in texture by degree of coarseness of fineness form a series, and several series of similar origin and climatic and other conditions constitute a province. At present 12 great soil provinces, 58 soil series, and 86 soil types have been recognized. The Norfolk sand, a warm, porous soil adapted to truck crops, has been mapped over 2,000 square miles in 34 areas of 11 eastern states; and the Marshall silt loam, nearly all specially suitable for corn, has been mapped over 6,126 square miles of 22 acres in nine states—a great area being still unmapped.

A new intoxication menacing society has been brought to notice through Dr. McKendrick of the University of Glasgow. Carbon tetrachloride, a colorless, non-inflammable liquid differing but slightly from chloroform in composition and having similar anaesthetic effects, is a safe clothes-cleansing material, and of late has been used as a "dry shampoo." Its danger has been made known by a lady who struggled to keep consciousness under the shampoo. The hairdresser affirmed that the effects are likes and a carbon tetrachloride habit seems to be developing.

An estimate of March and November bird-food near Washington has shown 1,298,880 animal objects and 2,907,840 seeds per acre in forests, and 12,654,720 animals and 12,827,040 seeds per acre in meadows.

One of the strangest as well as most costly articles of commerce is snake-venom, for which there is a growing demand in medicine and other branches of science. The supply comes from Australia, and a recent Sydney quotation placed the market price at 20 to 25 shillings per grain, or about $2,000 per pound troy, no attempt seeming to have been made hitherto to distinguish between the poison of snakes whose bite is usually fatal and that from reptiles that seldom kill. Dr. Tidswell, of the New South Wales health department, states that the venoms are now being classified. Laboratory experiments place the tiger-snake venom first, as it is 16 times as deadly as that of the black snake and four times as powerful as that from the brown snake or the death-adder. Its average yield at a bite, the death-adder supplies three times as much as the tiger snake and 17 times as much as the brown snake. So far the snakes have been mostly captured by hand, to avoid loss of poison, and, at even greater personal risk, have been held in the hand while being enraged and made to bite through a rubber band, ejecting upon a glass plate the venom from the two poison-fangs in the upper jaw. Each snake has supplied the material from one bite, averaging about a grain. A new discovery is that the supply in the fangs is renewed, and in future snake farmers may "milk" the poison from well kept reptiles every two days from an indefinite period.

A serious risk of tuberculosis from pet birds is alleged by Dr. Tucker Wise of Monterey who records 32 cases of apparent infection with other evidence from eminent physicians. The life of caged birds—like canaries, pigeons and parrots—especially favors tuberculous disease, and the fluttering of their wings and the action of flies readily convey infection to the family. As 400,000 canary birds are sold in England yearly, the influence upon public health is believed to be important.

Ants have been proven so sensitive to temperature, in late experiments of O. C. Riverclock, that they detected a change of a thirtieth of a degree centigrade. He thinks ultra-violet rays, which they avoid, appear to them as a color unknown to human beings.

The "Sylphon Regitherm" of W. M. Fulton of Knoxville, Tenn., is a novel kind of heat motor, which expands and collapses through several inches, and is claimed to control the heat from a furnace more effectively than any electric thermostat, while lacking the troublesome defects of the latter. The apparatus takes the form of a vessel of flexible metal, with sides deeply folded like those of a bellows. It is hermetically sealed, and contains a small quantity of volatile liquid, the vapor of which, in expanding and contracting, gives a change in pressure of half a pound per square inch for every degree of temperature. As the end wall of the vessel has an area of 20 square inches, each degree of variation in the atmosphere changes the internal pressure 10 pounds. This pressure of one degree of heat lengthens the vessel half an inch, and moves the controlling dampers of the heater four inches. The regulator can be set to operate at any temperature between 50 degrees and 90 degrees F.

The ears of birds are being specially studied by W. P. Pycraft, of the South Kensington museum, as a result of the curious discovery of Charles Whymper, the British artist. The ear is usually behind the eye, but the a ape has been known to have the opening just beneath the eye, and now it is found that the woodcock has the aperture below and in front of the eye. It is further noted that the opening on one side of the head is considerably larger than that on the other side, slightly different in shape, and somewhat farther forward.

The snow load of roofs, which has been lately investigated by S. de Perrot of Neuenberg, Switzerland, proves to be a very dense mass after repeated falls, followed by thawing and freezing. In several instances the weight was 26 to 28 pounds per cubic foot and the thickness 24 to 32 inches—thus giving a load of 50 to 100 pounds per square foot, which is three or four times the usual calculation.

Hard Times in Kansas.

The old days of grasshoppers and drouth are almost forgotten in the prosperous Kansas of today; although a citizen of Codell, Earl Shamburg, has not yet forgotten a hard time he encountered. He says: "I was worn out and discouraged by coughing night and day, and could find no relief till I tried Dr. King's New Discovery. It took less than one bottle to completely cure me. The safest and most reliable cough and cold remedy and lung and throat healer ever discovered. Guaranteed by Z. C. M. I. Drug Store, 112-114 South Main Street 50c and $1.00. Trial Bottle free.

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