

MARRIAGE LICENSES. an mannan mannan ma Marriage licenses were granted during the past week by the county clerk to the

following persons:

TERMS AND CONDITIONS ON WHICH MESSAGES ARE RECEIVED, TRANSMITTED AND DELIVERID

TOLLS ON THE ABOVE WERE \$3.50 TO SAN FRANCISCO.

SCIENTIFIC MISCELLANY.

The vibrochord, or music-feeling ma-chine of Mr. Fred H. Brown, an Amer-ican electrician, consists of an induction coll arranged to transform the vibrations of a piano or other instrument into electric pulsations, and transmit them through ne human body. Wires lead from the musical instrument to the coil, while wires from the coll are held in the hands, the feet resting on a metallic plate. The waves of harmony thrill the entire body, the difference in tune is very perceptible even when thick walls cut off all sound, and favorite airs produce more agreeable sen-sations than those whose sound is not pleasing to the ear. Music-feeling, claimed to have great healing value, is now prescribed for insomnia, rheuma-tism, nervous prostration, and many other ailments.

From recent photographs the craters and craterlets of the moon are esti-mated to number more than 200.000, but less than a million. White patches in some craters and the bright lines radi-ating in some cases hundreds of miles are thought by Prof. Pickering to be due to snow and the less conspicuous lunar canals which gradually appear, increase and fade away in the lunar day, are attributed by the same author. ity to vegetation. A thin atmosphere of carbonic acid and water vapor may feed the plants.

Kleptomania has been placed by a French physician in the list of diseases, under the name of "magasmitis." He records that 80 per cent of the patients are women, and that 5 out of 10 are well to do as reaching bout of 10 are well.to-do or wealthy. Recovered goods are often unused, almost always unin-

The new world to which the radioactive substances have introduced us is yet one of mystery and doubt. In a re-cent English lecture, Mr. F. Soddy pointed out that more than 90 per cent of the energy given off by radium is represented by the Alpha rays, but that the three kinds of radiation all excite fuorseeness. fluorescence in certain substances, affect the photographic plate, and ionize or electrify air and other gases. The Alpha rays, though having a velocity of 20,000 miles a second, are easily stopped, as by a sheet of paper or an inch or two of air. The radio-active substances themselves appear to be disintegrating, of air. the heavy atoms being explosively re-duced to lighter ones, temporary sub-stances marking different stages of change, and giving rise to instable elements which have been named "meta-bolons." The life of these temporary elements varies. One thorium emana-tion changes character in about 87 seconds; that of radium exciting radio-activity lasts 43 minutes; a similar emanation from thorium, 16 hours;

8 hours; the thorium X-rays, 5 days 19 hours; uranium X, about 4 weeks; radium itself, 1,300 years; uranium and thorium 10,000,000 years. It is in-ferred that uranium, with the heavlest atomic weight known, is slowly breakng up, producing radium, actinium and polonium as transition forms. The atoms of ordinary chemistry seem to have reached a stable condition and are those of longest life, but it is assumed that even these are but temporary halt-ing-places in the evolution of matter from heavier to lighter forms. Wheth-er this decay of matter is being offset by repair—that is, whether condensa-tion of atoms is still in progress as in the beginning of the universe—Is a question still beyond the power of science to answer.

Gunpowder is traced by Dr. Richard Garnett to the fifth century, though usually assigned to the fourteenthy, though us-piodorus records that Libanus, an Asi-atic magician, brought the secret to Constantius in A. D. 421 for destroy-ing the barbarians, but when Libanus was subsequently put to death for league with the evil one the secret perished with him.

The demand for industrial power is leading to remote and unexpected places and to unexpected methods. The scheme of the French engineers to ob-tain zome 50,000 horse power from water falling into the Dead sea is based on the fact that the level of that body is more than 1.500 feet lower than that of the Mediterranean and Red sens, and on the probability that the enormous evaporation—6.000,000 tons a day-would prevent any appreciable rise in level from water turned into the depressed basin. Of three projected routes for a canal to supply the water, it is believed the cheapert would be one starting at Akaba, in the Red sea, and passing through the desert of Wady-el-Jebel.

It appears to be probable that hypnotism can stop a person's heart and thus cause death. A. Jounet, a French investigator of the subject, reports that he has increased and diminished the number of a man's pulse bats at will, and as far as he could go in either direction with safety. It is proven, therefore, that the circulation is seri-ously affected, even if it is not quite certain that the heart can be stopped.

Electricity plays many parts on the "Baltic," the new White Star liner. An electric collision-preventor registers even the beats of the screws of an unseen steamer, another electric device shows the proper burning of the ship's shows the proper burning of the ship's lights, an electric log gives the speed, an electric lead indicates the depth of the water, and one electric apparat-us registers all signals including steam airens. Food needs are served by elec-tric refrigeration as well as electric cocking.

THE HENNERY.

Hens lay best when kept in rather small flocks. They should have pienty of room to roam about and hunt for food in a most natural way and buildings and sheds should always be kept clean and freak A temperature of about 69 is best for

A temperature of about with best for should be gathered often during coid days to avoid chilling and should be turned every day while waiting to be put under the hen or into the incubator.

The high price of turkeys this winter has started a boom in the turkey business and every egg available throughout the country will be set. In many places the breeding stock is rather limited on ac-count of the temptation to sell, which has prevailed throughout the season.

A brooder for young chicks should imi-A broader for young enters should ini-tate the natural hen so far as possible. The heat should be applied principally from above and warm, soft woolen cloths should be arranged in such a manner that the little chicks can put their backs up against them quite firmly the same as under a broading her.

Wild or Canada geese are very fine for the table. A good pair will weigh from 15 to 25 pounds, according to age. They may be confined with a woven wire fence wherever a small pond can be inclosed so that they cannot escape. After two or three generations have been bred upon a ranch they will stay within a four or there for the the period process of the second tences. five-foot fence when properly pinioned,

Eggs have been higher this winter than Eggs have been higher this winter than builter but are cheaper now. The differ-ence has been considerably greater be-tween these two products than a year ago. When eggs were high two years ago it was predicted that so many would go into egg producing that a great slump was sure to follow. We have been paying forty cents all winter for eggs and some of them came out of cold storage. It looks as if the time had come for some of our Utah people to begin growing hen fruit and let a lot of other fool things alone. It pays to keep good layers and they ought to be kept laying.





New Line of Wrist Bags just received

J. F. Meldrum, Lovell, Wyo. Grace B. Rushforth, Kaysville, Utah, F. W. Klenk, Salt Lake Ardella Blackwood, Salt Lake S. D. Woolley, Salt Lake May A. Keddington, Salt Lake A. L. Parkin, Woods Cross Annie Ackroyd, East Bountiful

PHILADELPHIA PRECOCITY.

A bright little fellow in West Ph delphia, who had visited a school tended by an elder brother, came he in great excitement to inform his mo er that he had learned "lots of thing "What is one, dear?" asked the f mother. "I learned in the 'rithmetic class the square of the base of the perpend ular of a right-handled triangle is eq to the sum of the hippopotamus." And here is the other: "Pa!" "Well!" "Is a vessel a boat?" "Yes." "Pa!" "What is it?" "What kind of a boat is a blood sel?

"It's a lifeboat, my son; now away and play."-Philadelphia T graph.

Did it ever occur to you that could trade that shotgun of yours a bicycle, a horse or buggy, or in f anything you may want? An ad the classified columns will do the we Try it. 1 cent 1 word 1 day.





In the accompanying picture shippers and live stock men of Utah a Idaho will recognize the features of Kent O. Kyes, the erstwhile travelin freight and passenger agent of the Chicago, Milwaukee & St. Paul, who h just been appointed general agent here for the Red Line and West Shore lin or in other words, for the Vanderbilt lines generally. Mr. Kyes is probabl best known in Idaho where he has cencentrated his efforts for several years past.

The appointment of Mr. Kyes, it is believed, will have the effect of bringing the other eastern lines to Salt Lake, and a further campaign of keen competition for business. Locally, no better man could have been chosen for the position as he has a wide circle of acquaintances in three states, and his ability is unquestioned. Mr. Kyes has been in the railroad business for 20 years,

	<image/>	<text></text>	Refrigerators. When you get your refrigerator this season, make up your mind to get a good one. You cannot make a mis- take here. Ours are all good—well made—well lined—and keep the food cold with the least amount of ice. The assortment of styles and sizes	Go-Carts. In beauty of design, in assortment and in low prices this display of children's go-carts surpasses any- thing we have ever shown. Over M exquisite styles here to select from, all finely made, richly upholstered and surphiled with bast steel rest.
Family size Refrigerators.Like for	Family size Refrigerators. Like 50.00 GO-Carts 50.50 for. \$82.75 \$15.00 Go-Carts \$9.50 for. \$12.50 \$25 Refrigerator \$12.50 for. \$12.50 \$25 Refrigerator \$18.50 Sz5 Refrigerator \$18.50 \$15.00 Go-Carts \$13.50 Carpets, Rugs Others up to \$30.00 equally grant rade manufactured, all made in mage in corners, new others up to \$30.00 equally grant able miter seams in corners, new \$22.50 Statest designs and colors \$1.05 able miter seams in corners, new \$22.50 Statest designs and colors \$1.05 able miter seams in corners, new \$22.50 Statest designs and colors \$1.05 able miter seams in corners, new \$22.50 Statest designs and colors \$1.05 able miter seams on corners, new \$22.50 Statest designs and colors \$1.05 able, cspecial, per yard \$22.50 Statest designs of red, blue, green \$3.45 able, cspecial, cspecial, mew patterns \$20.50 Statest designs of red, blue, green able different styles, all new patterns \$3.672 Statest of Brussels, veivets and astatest of B	Family size Refrigerators. Like cut. Worth \$12.50, \$8.75 518 Refrigerator \$12.50 525 Refrigerator \$18.50 Tor	is complete-the values the greatest you've ever known here or else-	and supplied with best steel gearing and rubber tires. Specal values this week:
\$18 Refrigerator \$12.50 for	18 Refrigerator \$12.50 125 Refrigerator \$18.50 for	18 Refrigerator \$12.50 225 Refrigerator \$18.50 for	Family size Refrigerators. Like	
 barnies and inlaid patterns, worth for, special, per yard for, spec	sard inlaid patterns, worth 18c Brussels Carpets—All wool face, in new designs of red, blue, green and brown colors, worth 75c 90c, special	 Barnies Jahrings Entripes, checks and inlaid patterns, worth 18c, for new designs of red, blue, green and brown colors, worth 75c, 100 different styles, all new patterns worth 95c. Spe- 75c, 1NGRAIN CARPETE – All wool, 100 different styles, all new patterns worth 95c. Spe- 75c, 1NGRAIN CARPETS – Cotton chain, 62 dierent styles, new de- signs. Worth 90c. 68c Made-up Rugs-From our rem- mants of Brussels, velvets and Ar- minster carpets, 986 feet- \$5,98 Ready-Made Factory Rugs-Me- dailion floral and oriental \$7,98 Mondaay's Special. Is a great one and will attract the atten- tion of all housewives. Dining-Room Chairs in solid Oak, golden finish, hand woven cane seat, piano polished and nicely carved. Worth \$2.25. On 	\$18 Refrigerator \$12.50 for \$25 Refrigerator for \$18.50 Carpets, Rugs Brussels Rugs—The made in rug designs without the objection- able mitter seams in corners, new colors, special, 9x12 \$22.50	wilton Velvet Carpets-The finest line of goods manufactured, in the latest designs and colors, \$1.05 worth \$1.50, special
	Monday's Special! Is a great one and will attract the attent	Is a great one and will attract the atten- tion of all housewives. Dining-Room Chairs in solid Oak, golden finish, hand woven cane seat, piano polished and nicely carved. Worth \$2.25. On	Japanese Mattings-Linen warp, extra heavy grade, stripes, checks and inlaid patterns, worth 18C Horssels Carpets-All wool face, in new designs of red, blue, green and brown colors, worth 75C 90c, special. 75C INGRAIN CARPETE-All wool, 190 different styles, all new patterns Worth 25c. Spe- Clal 75C INGRAIN CARPETS - Cotton chain, 62 dierent styles, new de-	ental patterns in all colors and wide and full lengths— special per pair

233 Main, adjoining Kenyon Hote and prior to going to the Milwaukee here, Nov. 20, '98, he was for several the ordinary radium emanation, 5 days cooking. years with the Union Pacific and Oregon Short Line.



FURNITURE & CARPET STORE,