

FOR SALE
Houses

FOR SALE—HOUSES; NEW MODERN, 6-room cottage, porcelain bath, gas and electricity; all street work in; new barn, house newly furnished; all goes for less than \$3000; property has been held at \$750; owner going east; location near Figueroa and Washington.

FOR SALE—CHEAP COTTAGES; IN-STALLMENTS—\$500—5 room, near Arcade depot. \$500—5 room, large lot, near cars. \$950—5 rooms, Carolina st., near Fifteenth. \$1000—5 rooms, near Mateo and Ninth. \$850—5 rooms, Boyle Heights; fine. \$1000—5 rooms, Twenty-second st., near Central ave.

FOR SALE—On installments, 5-room cottage; good lot, one minute from car line; for \$1000; small payment down; balance \$12.50 per month.

FOR SALE—\$20 CASH, \$20 MONTHLY; 247 Macy st., 5 rooms, mantel, bath, pantry, closets, hot water, sewer connection, cement walks.

FOR SALE—NEW AND MODERN—on Toberman st., the finest street in the city; fine neighborhood; go and look at them today; owner leaving for 3 to 5:30 p. m.; if you want a home, you cannot do better; will sell at \$1000 down and \$50 per month for right parties; Nos. 3908, 3707, 3711 and 3715; 6 to 9 rooms; make all or half-cash offers.

FOR SALE—\$2000, NEW HOUSE; SMALL payment down, balance \$10 per month. \$1150—New 5-room house, small cash payment, balance \$10 per month. \$1150—6-room house, close to school, complete and modern. Call and look at this.

FOR SALE—NEW COTTAGE, 5 ROOMS, bath, water closet, sink, 3 bed rooms, parlor, kitchen, front and screen porch, mantel, pantry, closets, 48-foot lot, fenced; \$550; \$200 cash. Take Vernon cars to White street. WIESENBERGER, 427 South Broadway.

FOR SALE—PLEASANT SIX-ROOM cottage, double parlors, grate, mantel, etc.; good-sized lot; good section of city; only \$1850; 767 Wall st.; a sacrifice price to close an estate. F. N. PAULY, 1205 S. Olive st.

FOR SALE—5-ROOM MODERN COT- tage, 55 and 56 Gladys ave., near Ar- cade depot; \$2500; \$100 per month; would rent to right parties; office open evenings. J. C. ELLIOTT, 450 S. Broad- way.

FOR SALE—FINE MODERN HOUSE; W. Twenty-first st.; All location; good investment. GEO. VAN DERWERKER, 323 Byrnes building.

FOR SALE—HIGHLAND PARK; JUST finished; beautiful 5-room modern cot- tage; Avenue 53; five feet from Pasadena ave.; lot 50x125; rent \$150; OWNER, 802 S. Hill st.

FOR SALE—A BEAUTIFUL MODERN home, near Westlake park; a great bargain. M. L. SAMSON & CO., 128 W. Fourth.

FOR SALE—1407 GIRARD ST.; A NEAT home of 4 rooms; \$140 cash and \$12.50 per month; look this up and see owner, 450 S. Broadway; office open evenings. 450 S. Broadway.

FOR SALE—SOME VERY CHEAP houses; easy terms; from \$750 up; also very cheap lots. EDWARD FRANK- SER, 194 1/2 S. Broadway.

FOR SALE—4-ROOM HOUSE AND LOT, near Central ave., for \$250, \$100 cash, bal- ance \$4 per month. J. C. FLOYD, 125 S. Broadway.

FOR SALE—MODERN FIVE-ROOM cottage, new and handsome, 243 East Twenty-seventh st.; \$200 cash, balance monthly. J. C. FLOYD, 125 S. Broadway.

FOR SALE—WE SELL THE EARTH, BASSETT & SMITH, Pomona, Cal. If Here is a good chance to get a good home in a nice neighborhood with fine surroundings at a good discount from regular prices on good easy terms: 1850—5 acres, located about 2 1/2 miles west of Pomona and 1 1/2 miles south- east of Pomona and 1 1/2 miles southwest of Claremont, the college town, about 5 acres in Washington gravel orchard, half planted in lemon, half in various fruits; 6-room house, pantry, bath, closets, cement cellar and sidewalk, barn, corral, etc.; price heretofore never less than \$2500; \$500 cash; assessment notes of \$1000 and \$4000 on or before five years; no interest on last payment for two years; a first-class investment; terms; if you are one in Southern California, we have purchaser at our office.

FOR SALE—COUNTRY PROPERTY; 5 acres at Tropico; good 5-room house, hard-bush, 12 acres assorted fruits; in bearing; abundance of water; best of soil; \$1450; will exchange for city. 5 acres to alfalfa at Downey; good 5- room house, well equipped with windmill and tank; good water right goes with place; assorted fruits for family use; a choice home place; will exchange for city; value \$2500.

FOR SALE—\$1000 CASH AND \$1500 IN four years, 6 1/2 per cent interest, will buy the finest 5-acre apricot orchard in San Bernardino county, with plenty of water. Only 250 miles from business center of Redlands. 1234 Star st., Los Angeles. 3-13

FOR SALE—LAND IN PARCELS TO suit at Colegrove, a new suburb of Los Angeles; the oldest and best electric road. COLE & COLE, attorneys, 232 N. Main st., Los Angeles.

FOR SALE—4 ACRES OF VERY BEST land, with water right deeded with the land, at Glendale, only \$700 cash, for a few days. M. L. SAMSON & CO., 128 W. Fourth st.

FOR SALE—42 ACRES OF VERY FINE alfalfa land, with a flowing well, at \$75 per acre. M. L. SAMSON & CO., 128 W. Fourth.

FOR SALE—CHEAPEST RIG IN TOWN for the money; good, gentle family mare, light buggy and harness, \$25; will trade for lady's bicycle of same value. Call Monday at 1240 W. Sixteenth st. 13

FOR SALE
City Lots and Lands

BARGAINS IN BUILDING LOTS—\$475—40x130, Mateo and 3d sts. \$550—50x125, Gerard and Union. \$750—50x125, 14th and Albany. \$800—53x175, 17th and Union. \$1000—60x110, 22d and Figueroa. \$1000—50x125, 14th and Hill. \$1100—50x125, Adams and Main. \$1150—50x155, Westlake and 9th. \$1250—50x150, 7th and Figueroa. LYON & SNELL, 218 S. Broadway. 15

FOR SALE—SOUTH END TRACT, ON Vernon cars, a tract of homes, a great bargain, now selling and building up fast, a 40-foot lot, \$150, on your own terms. New 5-room modern cottage and 40-foot lot, \$550. Worth going to the central avenue. WIESENBERGER, 427 S. Broadway. 13

FOR SALE—\$1500—The finest corner lot on West Ninth st., S.W., cor. Ninth and Blaine sts., 50x 145 to 20-foot alley; all street improvements, now selling and building up fast, a 40-foot lot, \$150, on your own terms. New 5-room modern cottage and 40-foot lot, \$550. Worth going to the central avenue. WIESENBERGER, 427 S. Broadway. 13

FOR SALE—SNAP; FINE CORNER LOT one block from Hotel at Garvanza; only \$125; \$35 cash, balance any way you like; also large lot opposite hotel at Sierra Placitas, same price. G. C. EDWARDS, 230 W. First st. 13

FOR SALE—EAST FRONT LOT ON CENTRAL ave., first vacant lot south of Pico street; worth \$1000, but \$550 will take it today. L. H. MITCHELL, 138 S. Broad- way.

FOR SALE—A BARGAIN, 3 LOTS with cottages; 100 ft. Wall and Winston st. CITY, 439 Wall st. 3-10-18

Business Property

FOR SALE—BUSINESS LOTS ON Broadway, Spring and Main sts. 13 M. L. SAMSON & CO., 128 W. Fourth.

FOR SALE—117 acres first-class land, Ventura county, suitable for oranges, lemons or fruit; 44 acres set to apricots, 3 years old; 3 acres apples; good dwelling house, barn, etc.; beautifully laid out grounds, occupying elevated position overlooking San- ta Clara valley, ocean, etc.; income last year over \$3000; price \$140 per acre, on easy terms, or might exchange for Los Angeles property.

110 acres Riverside county, more than half in alfalfa; cuts 6 crops yearly; bal- ance in fruit and corn; well watered; 1000 bushels of alfalfa; 1000 bushels of corn; large hay barn, etc.; valued at \$28,000, but in consequence of death of late owner, will be sold for less than 1/2 and will take part in Los Angeles prop- erty.

The best place of 20 acres in Ontario, on Euclid avenue, in 12-year-old navel oranges and 1/2 in lemons same age, bring- ing steady income; fine house and build- ings.

60-acre highly improved place near Bakersfield, 24 acres alfalfa, 35 acres in bearing fruit trees; good modern house and outbuildings; \$15,000.

Beautiful 5 or 10-acre lemon grove on Alhambra Heights, overlooking the valley for Santa Ana river, ocean, etc.; income last year over \$3000; price \$140 per acre, on easy terms, or might exchange for Los Angeles property.

Here is a good chance to get a good home in a nice neighborhood with fine surroundings at a good discount from regular prices on good easy terms: 1850—5 acres, located about 2 1/2 miles west of Pomona and 1 1/2 miles south- east of Pomona and 1 1/2 miles southwest of Claremont, the college town, about 5 acres in Washington gravel orchard, half planted in lemon, half in various fruits; 6-room house, pantry, bath, closets, cement cellar and sidewalk, barn, corral, etc.; price heretofore never less than \$2500; \$500 cash; assessment notes of \$1000 and \$4000 on or before five years; no interest on last payment for two years; a first-class investment; terms; if you are one in Southern California, we have purchaser at our office.

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FOR SALE—EXTRA FINE LOOK- ing, standard bred trotting mare; stands 16 hands; light harness, \$50, 1000 class; bay in color; perfectly safe for a lady; also a 3-year-old filly, by Gossiper, dam by Whips; can show a 2:40 gait and has been broken but 6 weeks; stands 15 1/2 hands and is clear gaited; this filly is as promising as any colt in the state. Call or address 387 S. Hill st. 14

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FOR SALE—SOUND, GENTLE HORSE cheap; also Brown Leghorn hens. 443 Victor st. 13

FOR SALE—\$10 CASH AND \$10 MONTHLY, the building lots between 8th and 9th, near cars; 20 new houses on the tract; 10 lots sold in February at \$200 each; offer ten lots at \$25 each for March only; will furnish money to build houses. No better opportunity offered in the city to acquire a home. POINDEXTER & WADSWORTH, 308 Wilcox blk. 16

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FOR SALE
Hotels and Lodging Houses

FOR SALE—HOTEL FOR SALE—ONLY \$600 Twenty rooms with dining room, kitchen and bath; located at Santa Paula, the great old field of California; oldest and best established hotel in Ventura county. For particulars see T. M. KILLIAN, 228 W. First st. 13

FOR SALE—ALL OR HALF INTEREST in a very fine hotel of 40 rooms at Avon, Santa Catalina island; completely fur- nished; this is a great chance to secure a bargain and a business for the coming season. M. L. SAMSON & CO., 128 W. Fourth st. 13

FOR SALE—ELEGANT BARGAIN; must be sold on account of sickness; choice corner lodging house; 30 rooms; only 3 inside rooms; all sunny and fresh air; richly furnished; hot water; \$1450. I. D. BARNARD, 106 S. Broadway. 13

FOR SALE—25-ROOM LODGING HOUSE; centrally located. GEO. VAN DERWERKER, 13 323 Byrnes building.

Sewing Machines

FOR SALE—ALL KINDS OF SEWING machines, new and used; guaranteed; repairing; genuine needles, shuttles and supplies; don't fail to see the famous "Superb" at \$22.50; no agent's commis- sions; it is a wonderful bargain. ADVANCE OFFICE, 427 S. Broadway. 13

FOR SALE—SEWING MACHINES; all kinds to rent, \$1.50 per month; a very fine Automatic cheap; bargains in second- hand machines, from \$5 to \$10. 507 S. Spring st. 13

Miscellaneous

THEY STAND THE RACKET! DON'T buy a wheel until you see the '08 Dayton \$50 model, absolutely the slickest running and finest bicycle ever shown in the country; 2 1/2 inch tubing; finest steel tires and ball cups (will last for years), superb finish and design; Dayton pedals, Dayton patent adjustable handle bars, best throughout, large sprockets, 24 and 36; Baldwin adjustable chain; can put in or take out a link in 1 minute; Kunditz im- mated rims (the best in the market), have used them for the last two years and never knew one to break; guar- anteed for any weight of rider; all sizes for frames—22, 24, 26. The famous Dayton at \$50 must be seen to be appreciated. DAVIS AND ADVANCE OFFICE, 13 427 S. Broadway, bet. 4th and 5th.

FOR SALE—5000 WASHINGTON NAVEL orange trees, 3 and 4 years old, raised in frostless belt; warranted true to name; best trees in market; also several 100-acre orange and olive orchards and improved land in frostless belt, \$200 per acre; now in the time to examine premises; natural salutarium; no other offers. CLAYTON J. L. MURRELL, La Canada, Cal. sur- ties.

FOR SALE—GREAT BARGAIN; par- ties going north or Klondike; gentleman going south would sell splendid heavy, double-lined genuine Irish frieze over- coat; made in Dublin, Ireland; size 36; take \$30; look at it. Room 14, The Hamilton, 521 Olive, Central Park. 13

FOR SALE—ORANGE, LEMON, grape fruit trees; standard varieties; clean and cheap for cash; will exchange for lady's or grand's wheel. Call or address 323 North Grand avenue. EDWIN DRUMMOND.

FOR SALE—THOROUGHLY REBARRED Plymouth Rock eggs, \$1 per 13; 1 common hen, with 10 Plymouth Rock chicks; also 1 pen of 6 thoroughly Plymouth Rocks. 746 E. Twenty-first st. 13

FOR SALE—OR EXCHANGE, FANCY pigeons, will exchange for shotgun. Call or address 541 S. GRAND AVE., or- 3-10-18

FOR SALE—LOCKSMITH, BICYCLE signs, tools, bicycle, camera, Bicycley- linder flute and Boston cornet. 1501 Maple ave.

FOR SALE—GOOD BUREAU WITH POLE and shafts; also a wagon cheap. UNITED STATES STABLES, Tenth and Flower sts.

FOR SALE—CHEAP—SECOND - HAND store doors, sashes, counters, shelving, etc. 216 East Fourth st. 4-12

FOR SALE—CHEAP FURNITURE OF 5-room cottage, brand new. Address U. Box 29 Herald. 13

FOR SALE—SECOND-HAND PIANO; \$115. 301 S. Broadway. 13

MONEY TO LOAN

MONEY TO LOAN IN SUMS FROM \$1000 to \$20,000, on inside gilt-edged income-bearing property only. Inquire of F. Q. STORVY, room 303 Henne block, 122 West Third st. 13

UNION LOAN COMPANY, STIMSON block corner Third and Spring, loans money on all kinds of collateral security, watches, diamonds, furniture and pianos, without removal; low interest; money advanced on business notes; private office for ladies. CLARK A. SHAW, manager, rooms 113, 114 and 115, first floor, Tel. 1661, References, Citizens' bank, Se- curity Savings Bank, etc. 13

TO LOAN—MONEY IN LARGE OR small amounts at low rates of interest than others charge on all kinds of collateral security, diamonds, watches, jewelry, pianos, furniture; life insurance and all food collateral; final payments re- ceived; money quiet; private office for ladies. G. M. JONES, rooms 12-14, 254 S. Broadway. 1-30-39

MONEY TO LOAN ON DIAMONDS, jewelry and sealings; also on pianos and household furniture, without removal; business confidential; private office for ladies; low rates of interest. PACIFIC LOAN CO., W. E. DE GROOT, manager, rooms 2 and 4, 114 S. Spring st. 13

SAVINGS FUND AND BUILDING SOCI- ETY; the oldest and best electric road. COLE & COLE, attorneys, 232 N. Main st., Los Angeles.

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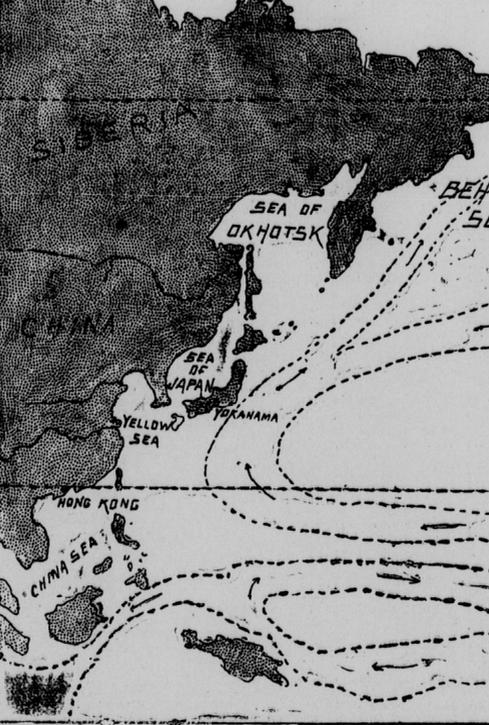
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PACIFIC OCEAN CURRENTS

We are apt to associate temperature and climate with degrees of latitude, and other things being equal, there should generally be a close correspondence between the two, the latitude of a locality determining its climate. But it is rare that other things are equal, hence you may find half a dozen kinds of climate along the same parallel of latitude, their variation depending on topographical conditions.

On the seacoast, ocean currents are the principal agencies in modifying climate. Far inland, mountain ranges serve the same purpose. When the mountains are near the sea, as in California, both factors come into play, and while the ocean brings balmy zephyrs, the mountains are a barrier



MONEY TO LOAN

TO LOAN—IF YOU WANT MONEY ON real estate security, I have it in any amount; \$5000 to \$50,000 at 6 per cent. W. M. F. BOBBYSHILL, 107 S. Broadway. 5-20-17

POINDEXTER & WADSWORTH, ROOM 303 Wilcox building, loan money on any good real estate; building loans made; if you wish to lend or borrow call on us. 13

TO LOAN—\$500 TO \$2000 ON CITY REAL estate; moderate interest. GEO. VAN DERWERKER, 13 323 Byrnes building.

MONEY TO LOAN—IN ANY AMOUNT, on real estate; 5 to 8 per cent; lowest rates on personal notes or securities. JOHN L. PAVKOVICH, 220 W. First. 15

MONEY TO LOAN—\$100 TO \$25,000 ON city or country real estate. LEE A. CONNELL & CO., rooms 302 and 303, 218 S. Broadway. 13

MONEY TO LOAN UPON EASY terms of repayment. STATE MUTUAL BUILDING AND LOAN ASS'N, 141 S. Broadway. 5-20-17

TO LOAN—ON REAL ESTATE, ANY amount, 4 to 8 per cent net; light ex- pense. LYON & SNELL, 218 S. Broad- way.

MONEY TO LOAN—CITY AND COUN- try property; mortgages bought and sold. SHERWOOD & KOYER, 144 S. Broad- way. 13

I CAN MAKE YOU LARGE OR SMALL loans at very light expense. HENRY HART, 103 E. Second st. 13

MONEY AT 6 PER CENT ON GOOD real property. M. F. O'DEA, 203 Brad- bury building. 13

MONEY TO LOAN—BUILDING LOANS a specialty. EDW. D. SILENT & CO., 212 W. Second. 13

TO LOAN—MONEY QUICKLY, QUIET- ly, reasonably. R. D. LIST, 225 Wilcox block. 13

EDUCATIONAL

WOODBURY BUSINESS COLLEGE, 226 S. Spring st., Los Angeles, the oldest, largest and most elegantly equipped commercial school in Southern Califor- nia; hundreds of successful graduates in banking and business; in session all the year; enter any day; evening school on Monday, Wednesday and Fri- day evening; three complete courses, com- mercial, English and shorthand and typewriting; a thorough, practical and progressive school; large faculty of ex- pert teachers; rates of tuition reasonable. Call or write for catalogue. 3-23

LOS ANGELES BUSINESS COLLEGE, 212 W. Third st., Currier block; up-to- date, progressive, advantages unpar- passed; day and evening sessions; write for catalogue and booklet on new budget system. 3-23

PRIVATE SCHOOL FOR BOYS ONLY—Potomac block, 21 S. Broadway. Special advantages and low rates. A. B. BROWN, M. A. (Yale). 3-21

ADAMS BROS., DENTAL PARLORS, 233 1/2 S. Spring st., business extraction 50c; filling plates from \$4; all work guar- anteed; established 12 years. Hours, 8-5; Sundays, 10-12. Telephone, Black 1273. 13

FRANK STEVENS, 324 1/2 S. SPRING ST.; open days and evenings; also Sundays; electric light. Tel. Black 521. 13

DR. B. W. DAY, DENTIST, REMOVED to 14 1/2 S. Broadway, room 127, New Hell- man building. 3-16

DR. BALDWIN, DENTIST, GRANT bldg., 4th and Broadway, Tel. G. 1071. 3-11

ROCK ISLAND PERSONALLY CON- ducted excursions every Tuesday and Wednesday; low rates; quick time; Un- ion depot, Chicago; office 214 S. Spring st. 5-20-17

Puget sound basin that will adequately account for its mild and equable tempera- ture. We must look for causes external to the region for a satisfactory explanation. Let us see if we can find another country which is analogous to it.

England is opposite the frozen shores of Labrador, and London is in a latitude sev- eral hundred miles further north than Montreal, yet it enjoys a mild climate in winter and an equable temperature throughout the year. We know very well that this is due to the influence of the Gulf stream, which, flowing in a powerful current from the tropical waters of the Caribbean sea and the Gulf of Mexico, crosses the Atlantic ocean in a diagonal direction, and warms, with its beneficent flood, all the coasts of France and Great Britain, and even the boreal regions of Norway and Sweden.

If we examine the system of currents in the Pacific ocean, which is practically motionless. This mid-Pacific pond is irregularly oval in shape and about 200 miles in length from east to west, by 1500 miles in width from north to south. There ex- ists a similar, but much smaller, nearly motionless area in the North Atlantic ocean known as the Sargassas sea.

In the Southern Pacific and Atlantic oceans the waters are moving in similar, though less clearly defined circles, but in a direction contrary to the hands of a watch. These spiral movements of the waters in the great oceans are supposed to be due to the rotation of the earth, on account of the uniformity of their direc- tion on one side of the equator and the reversal of that direction on the opposite side of the line. It is very doubtful, how- ever, if in the absence of the facts men- tioned any scientist would have reasoned out such a result—a priori. Besides, this

plausible theory does not take into ac- count the fact that some of these gyrate currents are merely superficial, being crossed at various depths and angles by extensive currents moving far below the surface. The general course of these deep currents is from the poles to the equator, the South polar deep current being the more pronounced and account of having wider scope and freer play.

THE COLD SUBMERGED CURRENTS The operation of these submerged polar currents is easily explained: Cold water sinks to the bottom and per contra, warm water rises to the top. The melting glaciers of the Antarctic continent are constantly supplying immense quantities of ice-cold water, which sinks into the deep troughs of both the great oceans, and creeps in a steady, persistent tide toward the equatorial regions, where, becoming warmed, it rises to the surface and thence flows back again superficially toward the poles.

DIFFICULT TO TRACE While a continuous current has been mentioned, flowing from the coast of Peru through devious windings till it is lost in a dying swirl near the Aleutian islands, the statement needs modification. The ocean stream is not like a river which flows with uniform velocity between clearly defined banks. Some of the currents are, in fact, quite difficult to trace. Each of the equatorial currents are compara- tively slow, and in some parts sluggish. Then, again, the borders of the currents blend imperceptibly with the adjacent still waters. Finally, at their eastern and western extremities they seem in doubt, at times whether to proceed and the next curve or to turn upon themselves; and a violent storm has been known to produce the latter effect.

THE TENDENCY OF THE CURRENTS TO DIVIDE is apparent throughout the system. While the greater portion of the Peru current joins the south equatorial, a small part of it curls back upon the coast at the isthmus and another part turns southwestward towards Australia. The south equatorial sends one prong past the island of Borneo into the Indian ocean, while the other forms the north equatorial current. We have already seen how the Japan current sends one branch to Behring strait and another to Alaska, while the main stream becomes the Kuro Shiu, which reaches the islands off Los Angeles the main tide turns west into the Tropic of Cancer, and in some parts contin- ues down the coast till it meets the northward-flowing equatorial current. Of course it has been very difficult for geographers, navigators and physicists to un- tangle all these facts and imperfect data, and construct from them a true and con- sistent system.

VELOCITY The velocity of these ocean streams va- ries from three miles an hour off the coast of Japan to the same number of miles per day in other localities. The Gulf stream as it issues through Florida strait flows with the extraordinary velocity of five miles per hour. It is not surprising that a vol- ume of water a hundred times greater than the Mississippi at its mouth, discharging its mighty flood upon the shores of western Europe should have a potent effect in ameliorating the climate of that continent.

Nor is it surprising to the physicist that the still greater volume of the Kuro Shiu, which flows from the coast of Japan, which pours its vast floods upon the west coast of North America, should likewise exert a tremen- dous influence in modifying the climate of that region and rendering one of the most delightful sections of the habitable globe.