

GOLDEN EAGLE KNIGHTS

GRAND CASTLE'S ANNUAL MEETING HELD YESTERDAY.

Met and Dined at Savin Rock—Business Session Held and Officers Elected—Other Work of the Day.

The Grand castle of the Knights of the Golden Eagle, held its eleventh annual session in the Hotel Seaview at Savin Rock yesterday.

The grand officers of the past year were: Grand chief, Harry Mastin of Danbury; vice chief, John W. Hutt of this city; master of records, A. B. Reynolds of Bridgeport; chief of exchequer, George A. Sanford of New Haven.

The business session was opened at 10 a. m. with Grand Chief Mastin in the chair. The report of the grand chief was read. He reported that the order in the state was in the same prosperous condition as it was when he assumed the duties of the office a year ago, but he regretted that the knights did not attend the meetings in larger numbers and make a more determined effort to get new members into the order.

Among those who were present at the morning's session were the following: From Danbury, H. G. Maston, John E. Bliss, Sidney Smith, Jarvis Pugsley, H. Starr, Whitman and Malcolm Mollan. From New Britain—S. W. Clark, W. H. Roden, Peter Ford, G. W. Hall, Ernest Nibbling, H. H. Deming, A. J. Benoit, Gus Hart, D. P. Butler, J. K. Chapman, E. L. Morse and George H. Norton.

From Bridgeport—C. J. Hathaway, George H. Wood, H. V. Vickers, William Willington, Fred Elchel, and Charles W. Lamb.

Several recommendations were made in the report, such as that the grand castle should hold semi-annual instead of annual sessions, and that the per capita be reduced from 60 to 50 cents per annum.

After the dinner the castle reassembled and took up the consideration of the business of the order.

From New Haven present were—John W. Hutt, Charles E. Jones, George A. Sanford, J. A. Walker, A. Lumsden, M. S. Wadham, J. A. Bishop, F. W. Spencer, Eli Manchester, F. E. Green, J. O. Wick, Edward MacFarlane, James MacFarlane, Isaac MacFarlane, Robert MacFarlane, W. C. Lambert, T. J. Smith, Thomas F. Kelly, Ernest A. Goller, Fred O. Simpson, F. R. Burnham, John Dixon, C. E. Jones, John E. Thompson, J. A. Bramley, C. W. Ross, F. P. Cowell, W. C. Foote, Wilbur R. Davis, H. W. Vanderbilt, C. E. Hendrickson, W. E. Bardsley, G. W. Short, Richard W. Kirck, and W. W. Hubbard.

The following grand officers were elected: Grand chief—John W. Hutt of Rock castle No. 8 of this city.

Grand vice chief—Eli Manchester of Crusaders' castle No. 3 of this city.

Grand high priest—C. E. Jones of New Britain, a member of Columbia castle No. 9 of this city.

Grand master of records—John Dixon of Columbia castle No. 9.

Grand keeper of exchequer—W. Wadham of Winthrop castle No. 10 of this city.

Grand scribe—John A. Walker of Rock castle No. 8.

Grand first guard—J. A. Hathaway of Bridgeport.

Grand second guard—Mr. Benoit of Irving castle, New Britain.

Past grand chief—Mr. Mastin of New Britain.

Trustee—G. H. Wood of Bridgeport.

About two hundred delegates were present, and at the shore dinner speeches were made by Grand Supreme Chief Hunter of New Jersey, Past Chief Lambert, Grand Chief-elect Hutt, Grand Vice Chief-elect Manchester, Past Grand Chief Harry Leigh and Past Chief Roden of New Britain.

Last evening a large number of the delegates, the grand officers-elect and past chiefs attended by special invitation the regular meeting of Columbia castle No. 9 at A. O. U. W. hall in Fair Haven.

After the lodge meeting an oyster supper was served in honor of the guests.

Yesterday afternoon an association of the past chiefs of Connecticut was formed, with W. C. Lambert of this city temporary president and John E. Thompson of this city temporary secretary.

Delegates were present at the Grand castle meeting from New Haven, Meriden, Bridgeport, Darien, New Britain and Danbury.

WALLINGFORD.

John Kennedy arrived home yesterday morning from Berkeley Springs, Va., and reports that the man killed by the cars at that place was not his brother Thomas, but a man fully eight years older. The body was exhumed and the investigation revealed the fact that the victim was an entire stranger.

A memorandum book was found in his pocket and on one of the leaves was written the address of Thomas Kennedy, Wallingford, Conn. It is supposed that the stranger must somewhere in his travels have met Thomas Kennedy and that he wrote his address down in his book. Kennedy found upon looking at the body that the man had a beard and was about twenty-four years of age, while his brother Thomas is not yet eighteen and fully twenty-five pounds lighter than the man killed.

James McLaughlin was successfully operated on for appendicitis in Hartford by Dr. Johnson yesterday morning and is getting along finely.

Mrs. Hubbard Jones, a lifelong and much respected resident of the east side of town, died at 10 o'clock yesterday morning, aged eighty-nine years. She leaves a son, Henry Jones, and one daughter, Mrs. Cortis Suttler of Main street. Funeral Thursday afternoon at 2 o'clock.

Yesterday's recorded real estate transfers were: Warren & Moody of Boston to C. H. Brunelli, lots Nos. 14, 17, 18, 27, 32 and 33 on Highland park on the west side of town.

ran's block, corner of Center and Colony streets.

Quite a delegation of relatives and friends from here will attend the golden wedding of Mr. and Mrs. Norris B. Mix in Centerville this evening.

Several of these crooked electric light poles were placed in position on Hill avenue yesterday.

Rosemary hall and Choate's School for Boys will reopen October 2.

The total number of pupils in the schools of the Central district enrolled was 1,493.

The Wallingford schoolkeepers will go to Branford by bus to-day and play a return game of ball.

There was no band concert last evening as at the meeting of the band it was decided not to give any concert this week.

The selectmen and town clerk will be in session Saturday, September 23, from 9 to 5 o'clock, to make new voters.

Mr. and Mrs. Friday Hale and son, Friday, Jr., started yesterday for Manhattan, N. Y., where Friday, Jr., will enter the military school.

During the month of August there were fourteen births, fifteen deaths and no marriages.

There will be a cake sale at the Methodist church from 3 to 5 o'clock this afternoon.

George Carr will on October 1 give up his position as watchman at Hall & Elton Co.'s and go to Virginia, where he owns a farm.

WILL LEAVE FOR PLYMOUTH.

Mrs. Charles A. Baldwin, wife of the assessor, and her daughter, Miss Lena Baldwin, with Miss Fannie E. Baldwin, a niece of General Harmon, will leave to-day for ten days on a visit to Plymouth, Mass.

THE PARIS TELESCOPE OF 1900.

A Gigantic Instrument Making—For the Exposition of the End of the Century.

One of the most remarkable features of the coming universal exhibition will be the gigantic telescope with which astronomer in 1900 and succeeding years will explore the heavens. Hitherto merely vague ideas have been formed in regard to this great siderostat which is of such deep interest to the scientific world, but last Sunday the writer chanced to meet M. Eugene Antoniadi, assistant astronomer of the Juvicy observatory, who with great courtesy placed at the disposal of the readers of the Tribune such facts and information as will present a precise and accurate description of this marvelous instrument.

It was at the initiative of M. Francois Deloncle, minister plenipotentiary in the French diplomatic service, that a group of amateur astronomers decided to devote for the international exhibition an instrument of exceptional dimensions and power far exceeding anything before attempted. With this end in view, it was determined to give the object glass a diameter of 1.25 meters, or 49.2 inches—that is, 9.2 inches more than that of the celebrated Yerkes glass of Williams Bay, Wis., and 13.2 inches larger than that of the Lick telescope, at Mt. Hamilton, Cal. In order to utilize such an aperture to the best advantage, and especially to check as far as possible the obnoxious effect of chromatic aberration, it was decided not to subordinate, as usual, the optical work to mechanical difficulties by a reduction of the focal distance, but boldly to give the tube an enormous length of 60 meters, or nearly 200 feet.

To mount such an instrument on an ordinary equatorial foot would be practically impossible, for, to say nothing of the tremendous weight of the tube and the consequent instability and flexure to which it would be exposed, the dome destined to protect it ought to have a diameter of at least 210 feet, or 72 feet larger than the cupola of St. Peter's in Rome, and 193 feet more than the dome of St. Sophia at Constantinople. But this is not all. Owing to the apparent diurnal swing of the heavens around the polar star, the dome ought during the observation to be in constant motion, so as to have its opening always in front of the object glass, moving with a velocity of 33 feet an hour. The eye piece would, of course, also move at a corresponding pace, and it is obvious that the acrobatic feat of the observer would have to accomplish in order to follow the movements of the instrument would be a vigorous and a vigorous athlete than the delicate frame of the man of science.

These difficulties have been surmounted by the wise conclusion of the committee to adopt the siderostat type of mounting, such as has been perfected by the French physicist, Leon Foucault, a man of remarkable mechanical genius. M. Antoniadi uses the expression "perfected by Foucault" advisedly, because he points out that the principle of the siderostat was known a hundred years ago, when a clever London optician named Brown constructed "a telescope whose tube was always horizontal, and in which a plane mirror reflected the image of the object to the eyepiece."

The siderostat thus consists of a flat mirror, so mounted that when clockwork motion is applied to it, it will send in the same fixed direction the rays of light upon it from a heavenly body. A telescope directed along the reflected beam will then enable the observer to scrutinize the object without troubling himself about the motion.

The fixed tube of the great Paris reflector is of steel, very slightly less than 1 inch thick, and weighs some 21 tons. Its diameter is 50 inches. The cylinder is formed of 24 separate parts, screwed together, and rests on eight cast-iron supports, placed on eight stone pillars. In order to facilitate expansion by heat, the supports can glide on a system of rails attached to the piers.

There are two object glasses, the one for visual observations, the other being reserved for photographic use. Each glass weighs 120 pounds, they are by weight of the great mirror is 7 3/4 inches, rather more than 6 1/2 feet, and its weight, mounting included, more than 6 1/2 tons. It is held in equilibrium by a



ANYBODY CAN BE A SANDOW

BY USING JOHANN HOFF'S MALT EXTRACT IT TONES UP YOUR NERVES STRENGTHENS YOUR BODY & PUTS NEW LIFE IN EVERY TISSUE.

EUGENE SANDOW, The Strongest Man in the World, says: "The secret of my strength is perfect digestion. I use Johann Hoff's Malt Extract, and find that it greatly aids me in the proper assimilation of food."

Johann Hoff's Malt Extract is the pioneer and standard—introduced in 1847. All others are imitations. Johann Hoff: New York, Berlin, Paris.

system of levers and counterpoises, rolling in a well more than 6 1/2 feet in diameter, filled with mercury. The mechanical part of the instrument was made by the celebrated Paris maker, M. Gautier; the lenses by M. Mantois. It was no easy task to grind and polish the surfaces of the colossal mirror, and of the two object glasses. Here new methods had to be devised. The plane figure of the mirror has been obtained by the molar action of two flat metallic sliders. M. Mantois used the same process in grinding the object glasses, with this difference, however, that, owing to the curved surfaces to be given to the lenses, the sliders, instead of the disks. The rectilinear motion of the system thus gave rise to a cylindrical section of the glass, which, however, in virtue of the revolution of the lenses on their axis, was transformed into a surface.

The light grasping power of the Paris telescope, as compared with that of the most powerful instrument now in existence (the Yerkes glass) ought to be as three to two. But this will not be the case, owing chiefly to the presence of the siderostat. Under a vertical incidence, mercury itself does not reflect more than 67 per cent of the incident light, and here lies the gain in favor of the Yerkes telescope. The accurate figuring, moreover, of disks of such enormous size as those of the great French telescope is beset with formidable, if not quite insuperable, difficulties, and we have some reasons for doubting that the optical surfaces will be a success. Another point which will tell heavily against the performance of the giant will be its rather disadvantageous location in the midst of a vast industrial city and at a height of barely 150 feet above the sea level, contrasting in these particulars so unfavorably with the pure air, serene skies and high altitudes of our great American observatories. We are apt to forget somewhat too readily that we are actually living in the bottom of a dense ocean, in which currents of various temperatures and densities are continually streaming in all directions. The greater the height we rise above the sea level, the clearer the air we get, though we can under no circumstances shake the yoke of atmospheric tremors. When scanning the heavens with a naked eye or an opera glass, the obnoxious effect of these undulations does not make itself felt. But if we take an astronomical telescope of three inches aperture and examine the physical appearance of a planet with it, we will notice that the quality of the image is not always the same, and that occasionally it is positively bad.

Increasing the aperture, it is found that the blurring of the image from atmospheric instability becomes a more and more frequent phenomenon. With an aperture of 12 inches, good seeing is rare. The effect is, of course, much more nugatory in a 24-inch, the result being that with apertures of 30 and 40 inches, there are not five or six nights in a year when the instrument can be advantageously used with its highest powers.

Independently of these considerations the light grasping power of large telescopes, which in the hands of men like Hall, Barnard, or Burnham, led to such brilliant discoveries, depends to some extent its own and in the case of the perception of fine planetary details. Here small telescopes compete with large ones, for if we refer to the history of the discovery of the most vane planet markings, such as the canals of Mars and the spots on Saturn, it is found that they have been almost invariably made with telescopes whose apertures did not exceed 10 inches.

Heating Stoves Ready Now for Fall Business. Hot Air Furnaces. These chilly mornings and nights warn us that cold weather is coming. We are prepared to meet any demand for Stoves or Furnaces. A large stock and low prices are our inducements. An elegant No. 8 range, fully nicked and guaranteed, for only \$19.00. HENRY H. GUERNSEY, 6 Church Street. Open Monday and Saturday Evenings. Telephone 852-3

struments of the kind hitherto constructed, and that in the great focal length. It will enable astronomers to take enlarged photographic views of the moon at a focus of 22 or 33 inches in diameter, and this will constitute a marked progress in the knowledge of the topography and physical constitution of our satellite.—Paris Correspondence of the New York Tribune.

CANDY CATHARTIC Cascarels REGULATE THE LIVER

Education. MRS. THOMPSON'S SCHOOL, 377 CHURCH STREET, Kindergarten, Primary, Grammar Department, Reopens Wednesday, September 13. REV. DR. LOUISA ALEXANDER'S INSTITUTE FOR LANGUAGES, (English, French, etc.), is fully established. Classes for ladies and gentlemen, girls and boys. Fees for instruction moderate. Sessions from 8 a. m. to 10 p. m. For particulars apply personally or write to ALEXANDER'S INSTITUTE FOR LANGUAGES, 89 if 7 WOOSTER PLACE.

F. A. FOWLER'S SCHOOL OF MUSIC, 851 CHAPEL STREET. Reopens Monday, September 11th. VOICE, PIANO, VIOLIN, ORGAN, HARMONY. No charge for trying voices, and a strictly honest opinion given. An organ, rented by motor, evening, for practice, at any hour, day or evening, at low rates. MISS WHEDON'S SCHOOL, 33 WALL STREET. WILL REOPEN SEPTEMBER 26. PRIMARY, JUNIOR and SENIOR DEPARTMENTS. Thorough preparation for College. Circulars sent on application. GILE GRAMMAR SCHOOL, OPENS September 13. Affords a man's care for boys. Prepares boys or girls quickly for High School or College. All kinds tutoring. 161 CHURCH STREET.

MISS CALVIN'S SCHOOL FOR BOYS and GIRLS will reopen September 20, 1900, at 68 BRIDGE ST. Apply at 612 WHITNEY AVE. VOCAL INSTRUCTION J. JEROME HAYES RESUMES TEACHING September 20th (Wednesday), 840 Chapel Street, HUBINGER BUILDING.

MISS LEIGHTON'S SCHOOL FOR GIRLS AND BOYS, Reopens Sept. 28, 154 Grove Street. Prepares for High School, Kindergarten, Central individual attention. Established 1888. MISS JOHNSTONE'S SCHOOL FOR GIRLS. Advanced Classes. Preparation for College, Primary and Kindergarten Departments. Opens Thursday, September 21, 97 WHITNEY AVENUE. THE DESSAUER-THROSTWYK SCHOOL OF MUSIC, 763 Chapel Street, will reopen on THURSDAY, September 7th. Office hours daily from 12 to 1 and 4 to 5 p. m.

E. A. LEOPOLD, VOICE BUILDER. Resumes teaching Tuesday, September 5th. Studio, 55 Insurance Building, Hartford, Mondays and Thursdays. MISS ORTON and MISS NICHOLS, Successors to the Misses Edwards, Will reopen their Day School for Girls at No. 57 ELM STREET, on THURSDAY, SEPTEMBER 28. Circulars furnished on application. aul2 19 26-1 29t

City Advertisements. NOTICE TO CONTRACTORS. GRAVEL ROAD, WOODBRIDGE. Sealed proposals for constructing a gravel road under the Act of 1898 for the "Improvement of Public Highways" will be received by the Selectmen of the town of Woodbridge, at the basement of the church, until 12 o'clock p. m. Thursday, September 14th, 1900. Plans and specifications can be seen and blank forms for proposal can be obtained at the house of Rollin C. Newton, First Selectman, Woodbridge, or at the office of A. B. Hill, No. 82 Church street, New Haven, Conn. Bond on proposal, one thousand dollars. Per order of Board of Selectmen, 87 9t

Notice to Contractors. City Engineer's Office, No. 17 City Hall, New Haven, Conn., Sept. 12, 1899. SEALED PROPOSALS will be received at this office until 2 p. m. September 22, 1899. For constructing a Macadam road on Millbrook avenue, under the State highway law for the improvement of Public Roads. The amount of the bond to accompany the bid will be \$1,500. Blank forms of proposal, and any information concerning plans, specifications, bonds, etc., will be furnished upon application. No proposal will be received after the time specified, and all proposals not on the blanks furnished or not properly filled out will be rejected. The right to reject any or all bids is reserved. In order of the Director of Public Works 82 9t C. W. KELLEY, City Engineer.

Notice to Contractors. MACADAM ROAD, NORTH BRANFORD. Sealed proposals for constructing a Macadam road, under the Act of 1898 for the "Improvement of Public Highways" will be received by the Selectmen of the town of North Branford, at the office of the Town Clerk, until 2 o'clock p. m. Saturday, September 16th, 1900. Plans and specifications can be seen and blank forms for proposal can be obtained at the house of Herbert O. Page, First Selectman, North Branford, or at the office of A. B. Hill, No. 82 Church street, New Haven, Conn. Bond on proposal, one thousand dollars. Per order of Board of Selectmen, 87 9t

Miscellaneous. AMERICAN LINE. FAST EXPRESS SERVICE. NEW YORK, SOUTHAMPTON (LONDON). Calling at Westport, at New York & Boston. Sailing Wednesdays at 10 a. m. St. Louis, Sept. 27; St. Louis, Oct. 11; St. Paul, Sept. 27; St. Paul, Oct. 11; New York, Oct. 4; New York, Oct. 25

REDD STAR LINE. NEW YORK-ANTWERP-PARIS. Every Wednesday at 12 noon. *Resinburg, Sept. 27; *Frisland, Oct. 4; *Canton, Sept. 27; *Southampton, Oct. 11. *These steamers carry cabin and third class passengers at low rates. INTERNATIONAL NAVIGATION COMPANY, 70 Broadway, cor. Reister street, N. Y.; Peck & Bishop, 702 Chapel street, N. Y.; and 25 Orange street, N. H. Pease & Son, 102 Church st., New Haven.

Miscellaneous. THE NEW HAVEN GAS LIGHT COMPANY 80 CROWN ST. Salesroom, 93 Crown Street. CASTORIA. The Kind You Have Always Bought. Look into the light. The "Welsbach" Light.

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Summer Resorts. MOMAUGUIN ON THE BEACH. Recently completed by the Fair Haven and Westville R. R. Co. FINEST RESTAURANT ON THE COAST. NECTICUT SHORE. Regular Shore Dinners, also a carte. Diners served on piazza if desired. Fine Bathing. Bathing Suits to let. J. W. DUNN, Lessee. Telephone 1068-4. Take Mansfield Grove car from Church and Chapel streets every 25 minutes in forenoon, every 12 minutes in afternoon. 198 3m

SWIFT'S HOTEL, Formerly Hinman House, Savin Rock. Now Open for the Season. Our Specialty is Fine Shore Dinners, served right. A. J. SWIFT, Proprietor. For 12 years in the Buxford Point House. Telephone 1078-2.

Bicycles. World's Mile Record, 1:31 2/5. Intermediate marks: Quarter mile, 21.35 seconds; half mile, 43 seconds; three-quarter mile, 1:07 3/4; one mile, 1:31 2/5. Records for the respective distances, made at New Bedford, Mass., June 29th, by Eddie McDuffee, feat proved that it is superior to other wheels for track purposes as well. Chainless, \$60 to \$75. Chain Wheels, \$25 to \$50. POPE MFG. CO., Hartford, Conn. W. P. WEAVER, Columbia Dealer, NEW HAVEN, CONN.

Fifty-Seven and Four-Fifths. MURPHY performs the marvelous feat of riding a mile in less than one minute on a Tribune Blue Streak. MURPHY and the "TRIBUNE" had the record for the fastest time ever made on a mile by a bicycle on animal power. Ride a BLUE STREAK; nothing can beat it.

JOHN BROWN, Agent, 123-127 GEORGE STREET. Open Monday and Saturday Evenings.

Never Before have I been able to offer such bargains in BICYCLES. as now. Samples at Cost and below GRIGGS, 7 Center Street. Cash or Easy Payments. Miscellaneous.

Use of COKE Reduces Expenses. Reduces kitchen heat, reduces kitchen labor, utilizes the set range, simplifies cooking. Bottom prices: Bagged quantities, 2 to 9 bushels, 28 cts. to \$1.00. Bulk, 36 bushels, \$3.25; 18 bushels, \$1.87 delivered.

A House That Has Gas ought to have the Perfect Gas Range, 4-hole burner, 16-inch oven, price \$11.50, connected. Get the names of some of our hundreds of this-summer customers and see if we are right.

THE NEW HAVEN GAS LIGHT COMPANY 80 CROWN ST. Salesroom, 93 Crown Street. CASTORIA. The Kind You Have Always Bought. Look into the light. The "Welsbach" Light.

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Travellers' Guide, New York, New Haven and Hartford R. R. June 11, 1899. FOR NEW YORK—*4:05, *4:50, *5:10, *5:30, *6:00, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9:10, *9:30, *9:50, *10:10, *10:30, *10:50, *11:10, *11:30, *11:50, *12:10, *12:30, *12:50, *1:10, *1:30, *1:50, *2:10, *2:30, *2:50, *3:10, *3:30, *3:50, *4:10, *4:30, *4:50, *5:10, *5:30, *5:50, *6:10, *6:30, *6:50, *7:10, *7:30, *7:50, *8:10, *8:30, *8:50, *9