

Some of the Curiosities of Father Time

Some curious facts about time. Why Places Thousands of Miles Apart May Have the Same Time of Day if One is in the northern and the Other in the Southern Hemisphere.

BY GARRIT P. SERVISS

"I have a bet with a friend of mine," says a correspondent, "and I wish a bit of your advice. My friend says that when it is daytime here in New York, in Buenos Aires, S. A., it is night time. And I say just the opposite. Now, I would like to know who is right and why?"

Great are the uses of confusion of mind, if only there be earnestness behind it, for then it may result in a strong grasp on the truth, when it is cleared up. Living on a globe which turns around a fixed axis has always been a source of mental confusion for its inhabitants. Its rotundity and its axial rotation produce deceptive impressions with which even science finds it convenient to compromise.

In the case in hand, putting aside the failure of the writer to say clearly what he means in his contradiction of his friend's erroneous opinion, it is evident that there is confusion in the mind of at least one of the bettors concerning the position of the sun by regarding it, at the same moment, from opposite hemispheres of the earth.

It makes an enormous difference whether the hemispheres considered are north and south, or east and west. Buenos Aires lies about 75 1-3 degrees of latitude south of New York, and only about 15 1/2 degrees of longitude east of New York. The former would correspond to over five hours of time if it were a difference of longitude, but being a difference of latitude it has no effect on the time, although the two places are in opposite hemispheres.

The other difference, viz. 15 1-5 degrees in latitude, has an effect on the time amounting to a little more than one hour. Thus, night begins and day dawns about an hour earlier at Buenos Aires than at New York. But if you could tip the axis of the earth over so that the poles should lie on the equator, then what is now latitude would become longitude, and the clocks of New York and Buenos Aires would be about as far apart as those of New York and London are at present, while, on the other hand, London and New York would differ in time less than three-quarters of an hour, and New York, Madrid, Naples, Constantinople, Bokhara and Pekin would differ only a few minutes from one another.

At the same time, it must not be assumed that places opposite to each other—one in the Northern and the other in the Southern hemisphere—may not differ so widely in time that midnight for the one corresponds with midday for the other. The thing to look for is the difference in longitude, which is measured east and west, and not in latitude, which is measured north and south. Alaska and the Cape of Good Hope are twelve hours apart in time, not because one lies far to the north and the other far to the south of the equator, but because they are on opposite meridians of longitude.

Some persons have difficulty in understanding the difference in the time of day at different points on the earth. A homely illustration may make the cause of the difference more evident. Take a lamp to represent the sun, and let your head stand for the earth. Suppose the top of your head is the North Pole. Let your nose be New York, and the occipital bone in the back of your head Batavia in Java, which is opposite to New York in longitude. Let your right ear be Rome, which is about 90 degrees east of New York, and your left ear the Sandwich Islands, which are nearly a quarter of the way round toward the west.

Now, face the sun (the lamp). Then it will be noon at New York (your nose), because the sun will there be in the middle of the sky. But what time will it be at batavia (the back of your head)? Evidently it will there be midnight. Now spin round right. Then it will be sunset on your nose (say 6 p. m.) noon at your left ear (Sandwich Islands), sunrise (6 p. m.) at the back of your head (Batavia), and midnight at your right ear (Rome).

You perceive that all of these different local dates occur at the same moment of absolute time, but that the hour indicated by local clocks placed at the various points differs according to the locality, 6 a. m. 12 M., 6 p. m., etc., occurring earlier the farther round the place is in the direction toward which you turn.

To illustrate the fact that two places may be very far apart on the earth, one in the Northern and the other in the Southern Hemisphere, and yet both have the same time of day, take the top of your head to represent the northern corner of Greenland, and the point of your chin to represent Cape Horn, while your nose is New York. Then, as you spin round you will find that sunrise, sunset, midnight and noon; each occurs simultaneously at all three places, because those places lie on the same meridian, or on a line through the center of your face which is at right angles to the plane in which your head turns.

Store Hours:
Saturday, 9 to 9 P. M.
Other Days, 9 to 5.30 P. M.

Dives, Pomeroy & Stewart

95c and \$1.25 Kaynee Blouse Waists For Boys. Special, 69c.
Made of white corded madras, blue chambray, stripe gingham, high-grade percale and woven colored stripe madras; sizes 6 to 16.
Dives, Pomeroy & Stewart, Men's Store.

Hundreds of New Spring Hats Just in For the Week-End

Quaint Little Pokes and Turbans, Low Crowned Sailors and Watteaus



The quaint little poke shapes which extend beyond the face, oddly shaped turbans and demure little Watteaus which essay such a chic tilt are in the forefront of spring hat fashions. Most of these are fashioned of lustrous black straw.

Hundreds of new styles will have their presentation tomorrow, reflecting to a marked degree the charm of spring in the profuse use of flowers, tiny fruit, gay ribbons, masses of glycerined fancies, ostrich and chic quills.

More and more trimmings is the trend, and women will welcome this return to the good old days of gorgeous millinery fashions.

Smart new turbans at \$7.50. Others in entirely new shapes and lines at \$8.50, \$10.00 to \$22.00.

Beautiful dress hats of the transparent type with crowns of lisere straw and wide brims of meline effectively trimmed with fruit, flowers, and narrow ribbons—\$10.00, \$12.00 and \$15.00.

The wide extent of the styles, the color assortments, the wonderful trimming effects offer incomparable choosing.

Dives, Pomeroy & Stewart, Second Floor.

Vestees and Colored Hand Embroidery Appear in the New Cotton Waists For Spring

The styles are more varied and more youthful than they have been for many seasons and the materials employed in their development are of the finest voiles and batistes.

New Collarless and Vestee Styles, \$2.95 to \$5.95

Voile waists in round neck collarless styles with yoke of fine organdie trimmed with pearl buttons; cross tucks trim front; sleeves trimmed with turn back cuffs \$2.95

Novelty voile waists in collarless style with tuck trimming and sleeve trimmed with hemstitched cuffs \$3.50

Voile waists with frilled edge; lace insertion and lace edge trim neck and front and the sleeves are trimmed with lace \$3.50

Voile waists trimmed with colored hand embroidery vestee; collar finished with lace edge and sleeves trimmed with tuck cuff \$5.95

Batiste waists in shawl collar style finished with lace insertion and lace edge; tucked vestee trimmed with lace insertion and lace edge \$5.95

Petticoats at \$1.50 to \$2.95

Black satin petticoats; flounce trimmed with pin tucks and narrow ruffle. Regular sizes \$2.95

White satin petticoats finished with tailored flounce. Regular sizes, \$1.50; extra sizes \$1.95

Dives, Pomeroy & Stewart, Second Floor.

Smart Slipon Sweaters For Misses and Women—A Complete Spring Display Now Ready

To see these new garments in their distinctive styles, with smartly perled waists and jaunty collars is to want one of them—and their prices are so satisfyingly low, considering the quality of yarns, that they come well within the means of every woman.

Women's slip-on sweaters with perled waist, Byron, shawl and sailor collar; in salmon, turquoise, American Beauty, rose and peacock \$5.95 and \$7.50

Girls' "Slip on" sweaters with perled waist and Tuxedo collar; in rose, peacock and turquoise \$4.95

Women's zephyr wool sweaters in beted and sailor styles \$7.95

Women's all wool coat sweaters, sailor collar and belted styles; colors are cardinal, rose, purple and Copenhagen \$5.95

Women's cardigan sleeveless jackets in black and oxford grey, \$11.5

Hand crocheted hug-me-tights in chinchilla and combination colors \$2.50 and \$2.95

Dives, Pomeroy & Stewart, Men's Store, Balcony.



Spring Suits and Capes Exceptionally Smart Models \$27.50 to \$45.00

Sizes For Misses and Women

There are scores of good styles to choose from, and each one of them is as carefully tailored as it is possible to receive at the hands of skilled workmen.

The majority of the suits are modeled in navy blue and black, thus making them welcome additions to the wardrobe of well-dressed women.

Some of the suit styles are of the loose back and front type, richly bound with narrow or wide braid, the width of the trimming depending upon the style itself; others are of the simple tailleur mode on pinch back belted model, while still others are in belted box jacket styles.

The size range is complete for misses and women—the prices ranging from \$27.50 to \$45.00

Capes and Dolman Coats \$18.50 to \$39.50

Serges, silver tip Bolivia, silvertone and wool velour are developed into the most beautiful cape and dolman coat fashions that have been created thus far for the Spring season.

Prices range from \$18.50 to \$39.50

Children's Dresses, \$1.50 to \$15.00

We invite all little girls and their mothers to the Children's Dress Section tomorrow to inspect the new dress styles for the Spring months. Gingham, chambrays, voiles and silks are shown in many pretty styles.

Dives, Pomeroy & Stewart, Second Floor.

Stamped Dresses For Girls Ready to Be Embroidered

Infants' dresses stamped on silk batiste and linen finished lawn. \$1.00 to \$2.25

Children's dresses stamped on sheer mercerized mull, finished with fine veining; sizes 6 months to 2 years \$1.00 to \$2.25

Ready made Gertrudes with nainsook top and Lin-Flax ruffles, sizes 1 and 2 years \$1.00

Children's dresses, stamped on lawn, rep and pique; sizes 2 years to 14 years, \$1.25 to \$3.75

Children's caps, hats and bonnets, stamped on lawn and repp 25c to \$1.00

Infants' sacques stamped on cashmere, \$1.00

Infants' Gertrudes stamped on cashmere \$2.50

Infants' caps stamped on cashmere, 39c

Corduroy carriage covers \$2.50

Pique carriage covers with pillows to match \$1.50, 85c and 65c

Baby pillows with hemstitched and scalloped edges 59c and 75c

Children's rompers in white and colors; sizes 2 to 6 years \$1.00 to \$2.25

Dives, Pomeroy & Stewart, Third Floor.

Men's Spring Underwear Full Cut, Comfortable Garments

Egyptian cotton balbriggan shirts and drawers. Each 90c

Medium weight Egyptian cotton ribbed shirts and drawers. Each \$1.00

Fleece lined grey cotton ribbed shirts and drawers. Each \$1.00

Medium weight natural wool shirts and drawers. Each \$2.25

Boys' grey wool and cotton ribbed union suits \$2.00

Men's Cotton and Silk Socks

Cotton seamless socks, in black, white, grey, navy, champagne and cordovan, 30c

Heavy cotton seamless socks, in black and cordovan 40c

Fibre silk seamless socks in back, grey and cordovan 50c

Thread silk seamless socks in black, grey, navy and cordovan 85c

Dives, Pomeroy & Stewart, Street Floor.

Milan Hats For Girls \$4.00 to \$12.00

Many distinctive styles in drooping and straight brims, some finished with long double ribbon streamers in back. Ribbons certainly are part of juvenile millinery this spring.

Here are graduated sizes too, so that every age of girlhood will find a becoming style that fits.

Practically every color and many combinations.

Dives, Pomeroy & Stewart, Second Floor, Front.



Trefousse French Gloves

The finest grade of kid procurable are worked into these Trefousse gloves by the most expert of French glove makers.

Black and white are most favored in these rich qualities.

Women's Sans Pareil two-clasp French kid gloves, in black and white with white sewing and embroidery. Pair \$3.00

Women's Sans Pareil two-clasp French kid gloves in white. Pair \$3.00

One-clasp tan kid gloves with pique sewing. Pair \$3.25

Chamoisette gloves in white and colors. Pair \$1.00 and \$1.25

Silk gloves in white, black and colors. Pair 85c and \$2.50

Children's silk gloves in grey and pongee. Pair \$1.00

Dives, Pomeroy & Stewart, Street Floor.

Women's Spring Hosiery

Women's fiber silk seamless hose in black, white, grey and cordovan \$1.00

Women's fiber silk seamless hose in black, white, navy and grey \$1.25

Women's thread silk stockings with fashioned feet and lisle tops; in black, white and grey, \$1.50

Women's thread silk outsize hose with lisle tops and fashioned feet; in black, white, grey and cordovan \$2.00

Women's all silk thread hose with fashioned feet and high spliced heels; in black and colors, \$3.00

Dives, Pomeroy & Stewart, Street Floor.

Week-End Grocery News

XXXX Powdered sugar, lb. 11c

Tuna fish, all white meat, can, 17c; to 30c

Pure codfish flake, 2 packages 25c

Hecker's cream oat meal, 3 packages 25c

Hecker's pancake flour, package 10c

Heinz baked beans, can 8c and 17c

Clam bouillon, can, 10c and 33c

California peaches, can 19c and 35c

Pure Italian olive oil, quart can \$1.49

Early June peas, can, 15c to 25c

Oatmeal, 6 lbs., 30c

Vanilla flavoring, bottle 10c

Tomatoes, meaty, packed, can, 12 1/2c and 20c

Pillsbury's health bran, package 15c

Sauer Kraut, large cans 10c

Dives, Pomeroy & Stewart, Basement.

Prohibit Germans From Using Airships For Military Purposes

Paris, March 14.—The aerial terms of the German disarmament as adopted yesterday by the Supreme War Council provide that airplanes and dirigibles shall no longer be used for military purposes. The council concluded that it was not feasible to prohibit airplanes for commercial use. The drafting committee was directed to make clear the distinction excepting commercial airplanes in the terms incorporated in the peace terms.

All forms of military airplanes are barred to Germany, the only exception being the temporary use until October 1, of one hundred hydroairplanes and 1,000 men in gathering mines in the North Sea.

Delaware Senate Passes Dry Bill; Goes to Governor

Dover, Del., March 14.—The Delaware Senate yesterday passed finally the bill providing for statewide prohibition. Efforts to amend it failed.

The bill, which has already passed the House, was amended in the lower body so as to make it legal to possess and give away intoxicating liquors. It also contains a provision excluding proprietary medicines and similar compounds from the one-half of one per cent. limit of alcohol.

Superior Spring Models in Men's and Young Men's Suits

The superiority of Dives, Pomeroy & Stewart clothes has passed beyond the realm of the conviction of clothing experts, and has impressed itself upon hundreds of intelligent and critical men hereabouts who have tested them by service and found them better in all those attributes which establish quality and style.



The Brunswick
Three-Button Conservative
Don't think that because a suit is cut on conservative lines that it is an old man's suit. There is no such thing as an old man these days. A man may be above 50 or more, but you can't prove it by his clothes. Such is the success of our Brunswick model. It combines years with youth and dignity with spirit of a good time.
\$35.00 to \$50.00

The Ace
Rope Shoulders and Cord Seams
The Ace is high above other styles that imitated this smart model. It is corded in the seams back and front, has two lower simulated welt pockets, an imitation cuff buttoning link fashion, and a suppleness of look and line. Especially created for college men who want city clothes and city men who don't want college clothes.
\$45.00 to \$50.00

The Piccadilly
Three-Button Sack
The Piccadilly is a dressy business model that wears well with any man. The hang and looks of the coat are an admirable example of what careful hand tailoring does to lift a garment from the common level of "manufactured" clothes. Many a man will exclaim "That's just the suit for me."
\$40.00

The Allen
Patch Pockets and Skeleton Lines
The Allen is essentially a young man's model—designed on slender facile lines, with a quick turn at the wrist, a trifle of spring over the hips, and a general impression of youthfulness in the spirited way in which it is assembled by hand—by hand, mark you, for lines that must not lose their permanency depend essentially upon hand tailoring.
\$50.00

