

# SPECULATION MANIA IS SHOWING UP WITH PARTITION OF SILESIA

(By Associated Press)  
KREUZBURG, July 8.—A wild mania of speculation, recalling the days of the California gold fever, already has appeared in connection with the partition of Upper Silesia. The danger of losing certain established trade connections through such a stampede, however, is preventing some German traders from entering new combinations, the purpose of which is the promotion of common interests on either side of the boundary.

But there is a tendency among German firms whose connections do not make it necessary for them to remain in the territory now acquired by Poland to remove to the German side of the border. These migrants continue to retain their premises on the other side of the line pending developments.

The first days of the opening of the frontier have witnessed the invasion of various cities by dealers from one side or the other in a mad rush to buy up such articles as are useful in their particular lines of business. It seems likely that the Upper Silesia trade center, which hitherto has been Breslau, will be shifted to Cracow.

A considerable movement is noticeable also in the ranks of labor. Many German workmen are crossing the line, preferring to take their chances in the Fatherland rather than continue their former employment on Polish soil under Polish labor conditions.

# LONDON IS IN GRIP OF RADIO CRAZE

LONDON, July 8. (by mail to the United Press).—All converging radio has got London with both hands.

Ever since the night of the Lewis-Carpenter fight, when the newspapers "broadcasted" the results of each round into the home of the countless amateur radio fans, the public has been held by the possibilities of this craze.

Newspapers are filled with radio news and doing.

Instruments of amateurs are now being tuned up ready for the reception of broadcasting reports, which are now allowed as the result of a conference of officials of the government and post office departments.

The Manchester Wireless society—an amateur club—has started to construct a high power wireless station at Bagely, Cheshire, for the purpose of transmitting and receiving from America.

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# Liars and Blood Pressure

By FREDERIC J. HASKIN

WASHINGTON, D. C., July 8.—Some day every prisoner at the bar may have his story scientifically tested for truthfulness. Blood pressure has been tried and proved as a gauge of deception, and a method has been evolved by which an expert can test with reasonable exactness the truth of the spoken word.

Thus a prisoner may recount calmly a plausible alibi for a crime. Perhaps he shows no visible symptoms of fear or nervousness. But if he is not telling the truth his blood pressure, over which he has no control, is reacting violently to the fear of discovery. On the other hand, if he is telling the truth, however fantastic, his blood pressure will bear him out by remaining at a comparatively normal level.

The blood pressure deception test has been developed to a practical stage. It was used by the department of Justice in connection with wartime spy cases. It is being used now by a criminologist of the Berkley, California, police department.

Here in Washington the man who developed the test has just tried it on a negro accused of murder. Evidence is against the suspect, but the test indicates that his alibi is correct. He is now being held while other suspects are being trailed.

This illustrates the place which the deception test will probably come to hold in criminal investigation. It will not be taken as absolute proof of guilt or innocence. But in a case where the evidence would convict a man in spite of his plea of innocence the deception test may lead to a further inquiry into other clues. With the test in use railroad a man to jail may be no longer a frequent occurrence.

The pioneer of the blood pressure deception test is Dr. William M. Marston, professor of psychology at the American University. Dr. Marston says that there has been some misunderstanding about his work. He uses three different kinds of deception tests of which the blood pressure test is the most reliable. All of the instruments adapted for use in giving the tests were invented some time ago for various purposes. Dr. Marston explains that he is the inventor of the blood pressure test, but not of the instrument.

Working at the Harvard Laboratory in 1913, he evolved the theory that blood pressure is an indicator of de-

ception. Fear and anger largely constitute the deceptive complex, and these are the only emotions that influence to any extent systolic blood pressure on which the tests are based.

Dr. Marston found by experiments that if anyone attempts to deceive the emotion of fear influences his blood pressure in definite ways. Even if the possibility of detection is remote the organs respond somewhat to an inherent fear. It is not normal to lie and this departure from normal has its reaction in the blood pressure.

Using an instrument which is attached to the arm, and which he calls a sphygmomanometer, the psychologist made numerous tests which sustained his theories. Tests were made of persons held by the police department for theft, drug taking, prostitution, forgery, and bootlegging. After each test was made Dr. Marston gave his verdict as to the truth or falsity of the subject's account. Then the investigation was continued by medical examination, questioning other persons involved, or by further detective work. It is claimed that the blood pressure tests were invariably substantiated by the corroborative evidence.

Dr. Marston says that he has always got 100 per cent satisfactory results in making the tests himself. That is, for him the sphygmomanometer has proved 100 per cent reliable as a detector of deception. Other operators, less alert to physiological factors in a case, and less experienced in making the examinations, have been getting from 80 to 100 per cent satisfactory results.

It is not a simple matter to give a deception test. From a description of the method it is readily apparent why an expert must give it if it is to be of any value.

A woman may have a normal blood pressure of 120. The sphygmomanometer is fastened to her arm and the operator listens in. Whether the first questions are connected with the case or not the subject's pressure would probably jump to 130 and remain

there. A novice might at once conclude that the subject was not answering his questions truthfully, whereas this reaction would probably be due to a general uneasiness at the mysterious proceeding. As the questions proceed the operator may find that the chart he is drawing remains at a level of 130 or drops off toward normal, indicating that the subject is truthful in her statements.

**Outside Influences Noted**  
On the other hand, the pressure may suddenly rise, even reaching a peak of 170 or 180 when significant questions are answered. This would generally indicate a deception curve; not necessarily, however. To make an extravagant illustration, suppose that just as an important question is asked a ferocious gorilla should leap through the window. This would have nothing to do with the case, but the subject's blood pressure would rise to a record-breaking peak.

The tests are given in a room free from disturbance, but even so the questioner has to watch for outside influence that might affect the chart. In order to read the chart correctly afterward each change in pressure must be marked with its cause.

There is no way of deliberately cheating his barometer, the psychologist asserts. It might be possible for a Hindu occult student to delay a test by self-hypnotism. Such persons are able to slow down the heart action until it almost stops, and other organs of the body at the same time are affected. A subject who put himself in this state could not be tested until he released himself. But no one can control blood pressure alone.

There is one type of individual who

can unconsciously cheat the sphygmomanometer. If a person is violently insane the test is meaningless, because such a person has lost consciousness of right and wrong. Suppose that your auditory nerve is pressed upon by disease so that you imagine that bells are ringing constantly. You would truthfully say that you could hear bells ringing, and your blood pressure would accept it as a fact. This is an example of a slight hallucination, but it serves to show a person with a mind completely deranged would react to a deception test.

In defectives and slightly insane cases the mental and physical functions are subnormal to varying degrees. Making allowances for this the test can be used. In drug addicts even slighter reaction to questioning is shown. The chart of an addict will show curves less than one-third as great as that of a normal subject.

The blood pressure test has already proved a friend to the prisoner unjustly accused. It is the relentless

foe of the skillful liar. Dr. Marston tells of a woman who was taken by the police from a disorderly house. She claimed that she was carried there drunk the night before and that she had never lived there. Her story seemed plausible and she would probably have been released. The deception test was tried on her, however, and it refused to accept a word of her tale. Furthermore, casual questions about the woman's husband brought out suspicious reactions on the chart.

Closer investigation proved that the woman was guilty, and by following the clue to her husband detectives discovered that he was a notorious forger, wanted on a number of charges. The woman had been hiding him and passing forged checks at the house where she was taken.

Dr. Marston believes that his test will find a useful place wherever veracity must be carefully judged. People write humorous letters to him, he says, asking about the instrument that can tell a liar. One man earnestly begged to know where he could buy

the apparatus as he had an unearned reputation with his wife for evading the truth.

The sphygmomanometer, while no prohibitive in cost, is not a market commodity and it is not a game. It is a solemn proposition. If you have any doubts, just reflect that because of it the art of lying may soon be a useless and obsolete accomplishment.

The first electric train on an Italian railroad 165 miles long, the longest single electrification in Europe, was recently run successfully.

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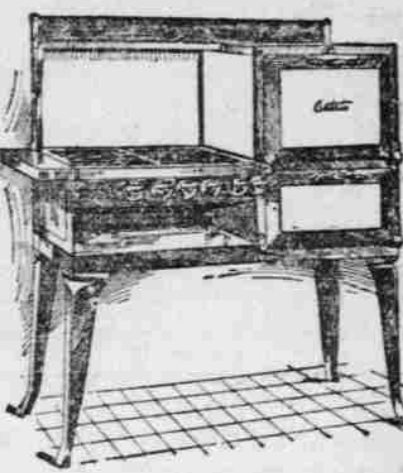


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# KNOLLENBERG'S STORE



# July Clearance Sale

opened Friday morning, a success far beyond our expectations. We anticipated a regiment of eager buyers, for the merchandise offered eclipsed any values we had ever given. There are many kinds of store service, but the service that counts most is the ability to distribute merchandise on a small margin of profit. This has been our GREATEST desire and the reward has been a constantly growing patronage. Every day of our July Sale must be a banner day, and we expect to make it so by adding new merchandise each day. So come each day; you will not be disappointed.

# Such Specials as these in Wash Goods

10 pieces of Scotch Zephyr and French Ginghams, all fancy plaids, fast colors, 32 inches wide; regular 75c quality; July Sale, yard..... **25c**

See our bargain table of Children's Dresses; July Sale price..... **\$1.98**

15 pieces of Printed Batiste, fine quality of cloth, all new patterns and colors, 30 inches wide; regular price 25c per yard; July Sale price—special, per yard..... **12c**

20 pieces of dark and medium colored Dress Voiles in small dots and figures, mostly navy blue, 38 in. wide; regular 58c and 75c goods; July Sale price, yard..... **39c**

6 dozen Ladies' Windsor Crepe Gowns in orchid, honeydew, apricot and coral, trimmed with feather stitching and shirring of contrasting colors; regular \$1.98 garments; July Sale..... **\$1.48**

A few numbers of White Organdie and White Voile Dress Patterns with colored embroidery; 4 1/2 and 5-yard patterns, regular \$9.00 patterns; July Sale price..... **\$2.98**

# Silk and Wool Goods

40-inch Canton Crepe, silk and wool, staple colors, special sale price, yard..... **\$1.89**

36-inch Taffeta Silk in staple colors, chiffon finish, sale price, a yard..... **\$1.67**

36-inch Messaline Silk, black only, Sale price, yd..... **\$1.00**

40-inch Crepe de Chine, in a complete line of colors, sale price, a yard..... **\$1.19**

40-inch Georgette Crepe in a complete line of colors; sale price, a yard..... **\$1.67**

32-inch Mt. Vernon Shirting, silk stripe in the season's newest patterns; sale price, a yard..... **\$3.9c**

# July Sale of Ready-to-Wear Garments at Drastic Reductions JULY SALE of SUITS

**Wool Jersey Suits**  
About 35 Suits remain in this lot, and for quick clean-up we have priced that at this ridiculously low price of—

**\$5.95**

**All-Wool Tweed Suits**  
These Suits formerly sold at \$25.00 to \$40.00 and have been grouped in two lots for the July Sale at

**\$10.95 and \$14.75**

# JULY SALE OF COATS

\$15 and \$20 COATS, not many left; mainly Sport Coats—During July Sale..... **\$8.95**

\$25.00 COATS, about 15 in the lot—reduced during July Sale to..... **\$13.75**

\$30.00 to \$37.50 COATS—July Sale price..... **\$19.75**

\$40.00 to \$47.50 COATS—July Sale price..... **\$23.75**

\$50.00 to \$75.00 COATS—July Sale price..... **\$29.75**

**All Fancy Silk Coats One-Half Price**

# JULY SALE OF DRESSES

About 20 Dresses, mainly Taffeta, a few are Canton Crepe; July Sale..... **\$8.95**

Dresses of Canton Crepe, printed Crepe de Chine, Sport Dresses, Wash Dresses and Crepe Knits; re-priced for sale..... **\$13.95**

50 Dresses in sport, street and dress models, of Canton Crepes, Crepe Eponge, Tricotee, Rosahara and Wool Tweeds; values as..... **\$21.75**

high as \$40; July Sale price..... **\$21.75**

**ALL BETTER SILKS REDUCED**

Extra Special: Wash Blouses..... **55c**

Extra Special: Voile Dresses..... **\$1.65**

Extra Special: Girls' Coats..... **Half Price**

Extra Special: Slipover Sweaters..... **\$1.98**

Extra Special: Imported Gingham Dresses..... **\$4.95**

Extra Special: Wool Skirts..... **\$3.98**

Extra Special: Summer Dresses..... **\$4.75**

Extra Special: House Dresses..... **\$1.39**

# East Room Sale Echoes

One lot Brassieres, sizes 32 to 40; July Sale..... **29c**

One lot of Corsets from \$1.50 to \$5.50 to go at ONE-HALF price during July Sale.

A large assortment of Val and Torchon Laces, values up to 10c yd.; sale price, yd..... **3c**

A large assortment of Fancy Hair Bow Ribbons at— **39c** per yard

Box Handkerchiefs, 3 in box, a regular 85c value; sale price, per box..... **59c**

A large assortment of Collars in Lace Carrickmacross, Gingham, Organdie and Eyelet Embroidery, values up to \$1.25; sale price, choice..... **39c**

A large assortment of Ladies' Purses in brown toiled leather, spider weave, pin seal and oozie cowhide; values up to \$5; sale price..... **\$2.95**

25 and 40-watt Tungsten Lamps..... **29c**

A large assortment of Windsor Ties in all colors; your choice..... **29c**

Priscilla Electric Iron, worth \$5, July Sale price— **\$3.56** only

# Annex Dept.

36-inches wide, fancy Marquisette, value 50c; sale price, yard..... **39c**

1 lot 36 inches wide light Cretonnes, 50c values, sale price, yard..... **39c**

9x12 Royal Wilton Rug, beautiful patterns, values \$55.00 and \$60.00; sale..... **\$49.50**

\$15.00 size 9x12 Wool and Fibre Rugs, sale price, each..... **\$11.98**

1 lot 36x7 Oil Hand Made Window Shades, colors green, white, tan and gray; values \$1.45; sale price..... **98c**

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# NUSBAUM'S July Clearance Sale

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36-inch Indian Head, genuine Belfast linen finish; the yard..... **25c**

42x36-inch Pillow Cases, good grade seamless tubing, deep hem; each..... **25c**

36-inch White Outing Flannel, 25c grade—the yard..... **19c**

**SPECIAL**—Silk Taffeta, plain colors and checks, Foulards and Messalines, 36 inches wide, regular \$2.00 values; yard..... **\$1.19**

# SPECIAL

16-inch Unbleached Tea Toweling, very absorbent; Saturday only—

**6 yards 25c**

**100 Silk Dresses**

Sizes 16 to 44, values \$19.75 to \$50.00. Now at—

**Half-Price**

**SUITS**

Lot that sells regularly for \$35.00 to \$50.00. Now—

**\$14.95**

\$1.00 DOTTED SWISS, white with colored dots; July Sale price..... **69c**

GINGHAMS—49c Imported Scotch and French Ginghams in all the desired checks and colors; sale..... **49c**

DRESS GINGHAMS—One lot 39c 32-inch Dress Ginghams, checks and small plaids, a fine quality..... **29c**

\$1.00 SWISS ORGANDIES, 44 and 45-inch, permanent finish, in all shades; July Sale price only..... **79c**

36c BEACH CLOTH, yard wide; Copen, Helio, Pink, Rose, White, Green, Red and Navy; July Sale price..... **19c**

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