

The well-known dark bands thus produced were then photographed by a member, Mr. H. G. P. Wells, and exhibited to the audience. Interference was also shown, the bands of colour so produced being well discerned on the screen.

PUTNEY PHOTOGRAPHIC SOCIETY.

October 31st.—Rev. L. MACDONA in the chair.

Mr. S. H. FRY, of the Fry Manufacturing Co., gave a demonstration on bromide enlarging on their new "Naturalistic" paper. Mr. Fry first showed members the method of judging the correct exposure, giving 4, 8, 12, and 16 seconds. He then proceeded to enlarge a quarter-plate negative of a yacht on the Thames to 12 by 10 inches, using hydroquinone as developer, and fixed in an acid bath composed of—

Hypo	...	...	...	...	4 ounces
Bisulphite soda	...	...	...	...	1 ounce
Water	...	...	...	...	16 ounces

He showed the members that they could obtain with hydroquinone results quite equal to those by ferrous oxalate, with less uncertainty and greater simplicity, as, by the use of the acid fixer, the operations could be reduced to two. He succeeded in producing two very beautiful enlargements, one of which he presented to the chairman. Not the least interesting part of the demonstration was his method of printing-in clouds by covering the foreground (after development and while still wet), and then printing-in the clouds from another negative. Mr. Fry showed how simple it was to bring out flagging detail by breathing upon the print, and by local application of developer on a pad of absorbent cotton-wool.

Messrs. J. B. Ball, S. Buckland, and A. E. Smith were elected members, making nine new elections during the month.

ENFIELD CAMERA CLUB.

At the meeting held on the 28th ult., Mr. W. H. TREWARTHA JAMES read a paper entitled "Notes on Hand-Cameras." The paper dealt first with those parts common to all hand-cameras, and expressed the opinion that the reflecting mirror type would ultimately hold the field for the highest class and greatest range of work. Bag changers properly made were certainly the most compact and convenient form, but if size and portability were unimportant, then properly made magazine cameras, and after them dark slides, held the field. Most of the automatic changers required rather delicate mechanism, and in the well types the jarring of the plates seemed a great defect, though otherwise many of the movements were reliable and very ingenious. In summing up, the use of the tripod was strongly insisted on, as even with the fastest lenses and dry plates, and the best control over shutter speeds, it was only under favourable conditions of light and subject that properly exposed plates could be relied on. There was no doubt that hand-camera work (not mere snap-shot practice) would, as its conditions became better appreciated, grow into increasing popularity and value.

A fine show included many of the best types of instruments in the market, in addition to several very clever home-made and home-designed cameras by members present.

OLDHAM PHOTOGRAPHIC SOCIETY.

THE annual meeting was held on October 29th, the president, Mr. T. HEYWOOD, presiding.

The SECRETARY read the report for the past year, and the Treasurer's statement of accounts; after which the election of officers took place, as follows:—*President*—Mr. Wallace Thompson; *Vice-President*—Mr. J. Chadwick; *Treasurer*—Mr. W. Schofield; *Librarian*—Mr. L. Tetlow; *Committee*—Messrs. J. H. Ashton, J. Brooks, J. S. Drousefield, J. Creaves, junr., T. Heywood, W. Jackson; *Honorary Secretary*—Mr. T. Widdop, 16, Burnaby Street, Oldham; *Assistant Secretary*—Mr. W. A. Nash.

During the election, Mr. J. MELLALIEU, of Middleton, exhibited a novel developing arrangement, consisting of three bottles with pipettes for dropping, which he intends shortly putting upon the market.

Answers to Correspondents.

All Advertisements and communications relating to money matters, or to the sale of the paper, should be addressed to the Publishers of the PHOTOGRAPHIC NEWS, Messrs. Piper & Carter, 5, Furnival Street, London.

All Communications, except advertisements, intended for publication, should be addressed to the Editor of the PHOTOGRAPHIC NEWS, 5, Furnival Street, London, E.C.

C. (Nelson).—*Aristotype Prints*. The fact of the spots appearing on both samples of gelatino-chloride paper would seem to indicate some adventitious fault in your own working. They look like splashes of hypo, but, as you say the spots became visible in the last washing of No. 1 print, this could hardly have been the cause; nor are they blackened by touching with nitrate of silver solution, so there is no hypo there now. They are not due to metallic contaminations in the paper, or each spot should have a dark nucleus, which is not the case. We have known silver prints to become spotted and stained by long contact with zinc washing troughs, bronze powder, or even with dry particles of pyrogallic acid, and other chemicals. The evidence in this case does not enable us to unravel the mystery, but we will write to you in the event of our finding out anything more definite with regard to these prints.

S. B. (Notts).—*Cleaning off Old Negatives*. Immersion in hot water and soda usually loosens the film, so as to permit of your cleaning the glasses with very little rubbing. If they are collodion negatives, wood naphtha cleans off at once both film and varnish. Finish off with a good rub with whiting and water.

W. P.—*Gum Tragacanth*.—You will not succeed in getting this to dissolve in water like gum-arabic, and we do not anticipate that you will be able to use it as a substitute for mounting. Try glue soddened in cold water, lifted out and mixed with warm dextrine, say equal parts by weight.

T. H.—*Sandringham Photographs*. Two years ago Mr. H. Bedford Lemere, of 147, Strand, showed some views of Sandringham in the Pall Mall Exhibition, and we have no doubt that others can be obtained of Messrs Spooner and Co.

L. M. (Ryde).—*Moisture in Paper*. The amount varies according to temperature, and the state of dryness of the surrounding atmosphere. Dr. Russell and Captain Abney found that the sample of Whatman's drawing paper used in their experiments on the action of light on water-colours, absorbed from 12 to 12½ per cent. of moisture. Some time ago we found that the thick white post cards, which are made of very inferior paper stuff, absorbed as much as 15 per cent.

E. D.—*The Earthquake in Japan*. We join with you in sincerely hoping that Professor W. K. Burton is not amongst the injured, and that he may shortly be in a position to give evidence with respect to the painful and calamitous events happening in the land of his adoption.

B. E.N.—*Aluminium Leaf*. Since replying to your enquiry last week, we have been informed that the Aluminium Company, of Oldbury, Birmingham, supply this article in a form suitable for burning in oxygen. It is now being used as a cheap substitute for silver leaf, for a variety of ornamental purposes, not being liable to tarnish.

SUBSCRIBER.—*Lantern Soirée*. Just a note to remind you and other London friends that the Pall Mall Exhibition will be opened to-night for the benefit of the Photographers' Benevolent Association.

RECEIVED.—From Mr. T. Cranfield, of Grafton Street, Dublin, a 16 by 12 photo. of group of chemists assembled at Trinity College, on the occasion of the meeting of the Society of Chemical Industry in July last; from Professor Meldola, a copy of "Cantor Lectures on Photographic Chemistry," delivered at the Society of Arts.

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