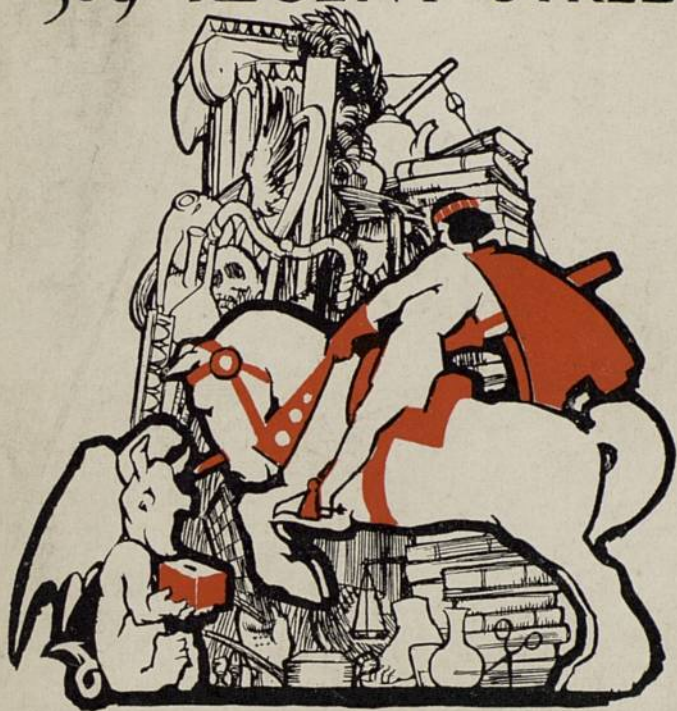


THE POLYTECHNIC
309 REGENT STREET



FETE &
EXHIBITION

IN AID OF THE REBUILDING FUND

JANUARY 6TH, 7TH, & 8TH 1927

2 P.M.

10 P.M.

PROGRAMME PRICE 3D

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OFFICIAL PROGRAMME

of the

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and

EXHIBITION

In aid of the

Polytechnic Rebuilding & Extension Fund

JANUARY 6th, 7th & 8th,
1927

Admission

Afternoons 2-5 - SIXPENCE
Evenings 7-10 (Saturday 6-10) - FREE

Small charges are made, as shown in the programme, for some of the special lectures, demonstrations and side shows. All other parts of the Fête and Exhibition are free.

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Foreword

OUR last Fête was held in 1910, and to a large number of our present Members and Students the old "Annual Fête and Reunion" is unknown.

So much has happened in the intervening 17 years to the Poly, and to the whole world, that it seems almost inconceivable that we should be trying to get back to even the days of 1910. But such is the nature of our youth at the Poly that some of the "old brigade" who still remain have expressed the desire that the Fête should be revived.

Almost as soon as the wish was made known, and that only a few weeks ago, a ready response was forthcoming from almost every section of activity in the Poly. Members of the Men's Council, of the recently formed Women's Council, of the still more recent Students' Representative Council, of the ever-green Old Members' Association, the Members and Students themselves, and members of the Staff, came forward to offer their services.

The ostensible reason for the revival of the Fête is to help our Extension and Rebuilding Scheme (particulars of which will be found in this programme), for which we still require £97,000. But there is more behind it than this. It is an attempt to weld the old and the new; to bring into closer relationship the old Members and Students of the Poly who have done so much to establish its present firm foundation, and the younger generation of Members and Students, who *must* 'carry on.' Further, it is hoped that the Fête may be the means of cementing the inter-relationship between the Social and Educational activities of the Poly.

In 1910 we commenced to rebuild the front portion of the Poly. We are just completing a big extension to these premises. Early this year we must commence to build other large premises (on a neighbouring site which has already been acquired) to replace outlying annexes of which the leases are beginning to fall in. This is the reward of success; we, and you, must go on.

We do not admit 'failure' into our vocabulary at the Poly, and I, therefore, express my thanks to every Member and Student and Member of the Staff who has contributed, is contributing, and will contribute to the success of this our 1927 Fête.

J. E. K. Studd

GENERAL GUIDE TO THE FÊTE AND EXHIBITION

For full particulars see subsequent pages.

ADMISSION IS FREE

(unless otherwise stated).

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Students' "Pound" Stall.

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GYMNASIUM.

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The Incognito Orchestra will play selections.

The Temple of Music. Kindly provided by The Gramophone Co., Ltd. All the best and latest music.

Floor.

Passenger Carrying Model Railway. (Return journey 2d.)

Fun of the Fair. (Stands 1—6).

Percival Marshall & Co. (Proprietors of the "Model Engineer.")
Display of publications. (Stand 7).

Bond's, Limited. Exhibition of Working and other Models:—
Railways, Ships, Engines, Boats, etc. (Stand 8).

A. Gallenkamp & Co. Limited. Exhibition of Glassware, Glass
Blowing, etc. (Stand 9).

A. G. Spalding & Bros., Limited. Exhibition of Sports Outfits,
etc. (Stand 10).

Locomotive Publishing Company. Display of publications.
(Stand 11).

Will Day Limited. Exhibition of Wireless Apparatus, etc.
(Stand 12).

Exhibition of Working Models by Mr. Will Day and Mr. W. A.
Carter. (Stand 13).

The Model Railway Club. Exhibitions of Working Models.
(Stand 14).

Locker Room.

Boxing Club. A Great Magic Mystery. (Admission 3d.)

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Scientific Novelties, Demonstrations, and Lectures.
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Complete Working Model of an Automatic Telephone Exchange
with Demonstrations. (Admission 3d.)

Electrical Gadgets.

Fun of the Fair.

Exhibits of Apparatus, etc.

CARPENTERS' WORKSHOP.

Fun of the Fair.

ENGINEERING WORKSHOP & ENGINEERING LABORATORY

Exhibits of Machinery, Students' Work, etc.

RIFLE RANGE.—Shooting, Hoopla, Hookem.

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ROOM 39.

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Old Quintinian Follies—Evening. (Admission 6d.)

The Trial of Mr. Pickwick—Afternoon. (Admission 6d.)

FIRST FLOOR (Back).

CHEMISTRY DEPARTMENT.

Elementary Laboratory. Exhibition of Apparatus, etc.

Advanced Laboratory. Demonstrations of Glass Blowing.

Chemistry Theatre. Lectures on Liquid Air, Flame and
Explosion, Soap Bubbles. (Admission 6d.)

SECOND FLOOR.

ROOM 20.

Living Marionettes. (Admission 6d.)

ROOMS 21 & 22.

A Mystic Performance. (Admission 3d.)

ROOMS 23, 24 & 25.

Cycle Show. Exhibition of Machines, Ancient and Modern,
Lantern Lecture, etc. (Admission 6d.)

THIRD FLOOR.

ROOM 31.

"The Haunted House." (Admission 3d.)

ROOMS 32 and 33.

"Moonlight and Winkles." (Admission 6d.)

ROOMS 34 and 35.

Picture Concert. (Admission 6d.)

ROOM 37.

"The Human Spider." (Admission 3d.)

FOURTH FLOOR.

ARCHITECTURAL STUDIO & ROOMS 41 and 42.

Exhibition of work of School of Architecture, Building and
Surveying.

PHOTOGRAPHIC DEPARTMENT.

Exhibit by the School of Photography.

Film entertainment on the Kodak Kodoscope. (Admission 3d.)

FIFTH FLOOR.

SCHOOL OF ART.

School and Art Exhibition (Elementary Room).

Exhibition of Work of Secondary School Students. (Design Room).

ROOF.

WIRELESS LABORATORIES.

Transmission of reception of Wireless Waves. }

Exhibition of Valves and other apparatus. }

See Electrical
Engineering
Department, page 24

HAM COURT,

5th January, 1927.

THE MUSTARD CLUB.

Dear President,

The Officers of the Mustard Club wish to express their cordial sympathy with your efforts to raise the sum of £250,000 for the Rebuilding and Extension of The Polytechnic. They also extend their good wishes for the success of your Fête and Exhibition in aid of that Fund.

Yours faithfully,

BARON DE BEEF,

President of the Mustard Club.

To
SIR KYNASTON STUDD
President
The Polytechnic
Regent Street
London, W.1

ENTRANCE HALL

STUDENTS' "POUND" STALL. Organised by students of various sections of the Poly, under the direction of the Students' Representative Council.

Do buy something!

FYVIE HALL

"Charleston Street"

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ADMISSION FREE.

Come in your thousands to CHARLESTON STREET, the centre of Beauty and Business. In Charleston Street will be found something to suit everybody, from fruit and artificial flowers to competitions, from 'Pound' Stall to Lace, Beadwork and Painted Woodwork; Useful Articles; Bookstall and Photographs and Autographs of Celebrated Poly People.

Don't forget to visit the Fortune Teller and the Caricaturist; and you must not miss the Beauty Parlour. Of course, you will want a dip in the lucky Bran Tub.

You need not buy in Charleston Street, but you probably will!

GYMNASIUM GALLERY

THE INCOGNITO ORCHESTRA, composed mainly of present and past students of the Poly and their friends, will give selections at intervals during the afternoons and evenings, under the direction of Mr. Arthur Bayliss, A.R.C.M., Head of The Polytechnic School of Music.

THE TEMPLE OF MUSIC. The Gramophone Co., Ltd., here provide a display of various models of the new "His Master's Voice" Gramophone, and will give at intervals throughout the afternoons and evenings selections of "His Master's Voice" electrical recordings by the world's greatest artists.

THE TUCK STALL. Speaks for itself!

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Beef
into you**



THE GYMNASIUM

CENTRE. Working Steam Models of Locomotives operating on a Passenger Carrying Track. Visitors may have the pleasing experience of a ride behind one of these clever examples of Model Engineering for the large sum of twopence. (Return Fare).

ON THE LEFT as the Visitor enters will be seen a number of stalls of varied appeal, where one will have many opportunities of leaving one's small change.

THE RIGHT SIDE is taken up by a series of stalls occupied by firms interested in the work of The Polytechnic. First of these we find Percival Marshall & Co., of Model Engineering fame, who display a large and comprehensive selection of books and papers relating to the world of Miniature Mechanics. Bond's, Ltd., of Euston Road, show a very fine exhibit of models of all kinds and prices, and particularly sets of parts from which the model maker may construct the finished articles. Gallenkamp & Co. offer an interesting exhibit of glassware and glass-blowing. This is of special appeal in view of the Government's pronouncement regarding the superiority of British glassware over that of Continental origin. Spalding's, of Holborn, present the complete Sportsman, and of course Sportswoman, with a bewildering array of all that is the best and latest from tennis racquets to boxing gloves. The Locomotive Publishing Company do for the full-sized Engineer what the firm of Marshall has done for the Modeller. Here is to be seen a variety of books on all subjects comprising the sphere of Railway enterprise. Wireless, of course, has its claims to notice satisfied, and Will Day Ltd., not only show a number of complete receivers and parts, but also are ready to advise on all matters relating to the art of listening-in. (Licence from the P.M.G. 10s. p.a.).

An exhibit of unusual interest is that on the next stall comprising three models from the experienced hands of Mr. Will Day and one by a Poly student, who here shows what a beginner can do.

Finally, the Model Railway Club (an assortment of enthusiasts who have not lost the gift of playing with toys) stage samples of models belonging to their members. Here may be noted all sorts and conditions of models. Tiny reproductions of our Railway Giants as well as diminutive copies of obsolete and strange varieties of the genus Locomotive. Signals, Carriages, Goods Wagons, all are to be admired. These same gentlemen have provided the requisite drivers for the Passenger Railway and are responsible for the Passenger Carrying Track and Locomotives, for these we have to thank the Members of the Society of Model Engineers. The Members of the Model Railway Club have here carried their keen interest in Railway affairs into a new field, and so help to achieve the object we all have in front of us—The Rebuilding Fund.



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Fun of the Fair.

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Some few of the male members of the human race manage to achieve their earliest ambition and so become in after life the controlling mind of one of our railway locomotives. Of the rest a number never get any nearer their heart's desire than is to be found in the possession of a clockwork toy. Fewer still—and these are the most to be envied of all—fewer still retain the desire long enough to set up as drivers of their own machines and builders, designers, fitters, turners into the bargain.

To-day every mechanic is a specialist, and the craftsman's joy—that is creating a complete work—is denied to all save those few referred to. The whole world of mechanical enterprise is open to the Modeller; who then shall stand aside and sneer? The firm of Marshall have displayed acquaintance with one of the great truths of Human Nature. They have made it easy for us all to play with more gorgeous playthings than any child could dream of, and have saved the dignity of the grown-up child as well. Here on the shelves of Stand 7 are to be found the gateways into our lands of heart's desire. Books on engine building, on making model ships, aeroplanes, bridges, railways, clocks. Books on lathe work, on making gear wheels, on doing, in fact, all those things we wish to do and have never done. If you wish to retain any of the mind and spirit of childhood you will here find how to take your delight in doing things, simple or complex, well and for the doing's sake. Give yourself a treat this Christmas time and make a start.

Stand No. 8

Bond's Limited.

No matter what size of line a railway modeller adopts, whether it be in $\frac{1}{2}$ " scale or the increasing popular OO gauge; here we find models and parts to suit. The wealthy and impatient may purchase Locomotives, Carriages, Wagons, Signals, Stations, Track. All are ready for use and may be operated by Clockwork, Steam or Electric Power. The ordinary taxpayer may purchase parts, to put together into a complete model, of any of the foregoing articles and, after presenting them to the junior members of the household, may then extract hours of pleasure from showing these youngsters how to carry out the job.

We specially notice the new scale track in brass for OO gauge which is to be obtained only from Messrs. Bond's. A new Model Station is also shown that may be extended bit by bit as traffic and the consequent receipts increase.

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A. Gallenkamp & Co., Ltd.

Try to picture how this town, this country, this world, would look if all its glass were to vanish. No windows, no looking-glasses, no table glass, no chemical utensils, no bottles; wine in skins, whisky in a sort of haggis affair, milk—well—er—from the cow. And yet how many of those who pause to look at Stand 9 will give a passing thought to the strangeness of things in the days of our forefathers, when drinking vessels were called drinking horns; when the only light save that of the sun and moon was cast by a lanthorn; the days of the horn book and of the hunters' horn. Glass has a greater interest than its mere utility, for those who know, even though glass has been one of the most fruitful agents for the extension of our knowledge, and of our powers over the forces of nature and the chains of circumstance.

Would you see what is distant? Use a telescope. Search a drop of pond water for its countless inhabitants—with a microscope. When evening falls turn on the light. Glass is the means whereby we do these things. Do you know anything of the nature of glass save that it is fragile? In the Advanced Chemistry Laboratory, Messrs. A. Gallenkamp & Co. are giving demonstrations where you may learn how glass may be bent, cut, moulded, softened, toughened. Here you may learn what strange and useful shapes are made of glass and how they are produced. You may, even, if you have patience, wait while the glass before your eyes is softened, worked, wrought and cooled, and then you may bear it away to serve your leisure and help to recall the wonders seen and heard at the Polytechnic.

Stand No. 10

Exhibit of Sports Equipment by
Messrs. A. G. Spalding & Bros., Ltd.

On this stand will be found a display of goods which will be of peculiar interest to members of our many athletic clubs, as well as to the general public.

The name of Spalding carries with it, throughout the world, a guarantee of excellence.

Members of the Polytechnic Athletic clubs should bear in mind that Spaldings give them special terms, a discount being given on all goods purchased through the Club Secretaries or Major Marchant.

If you do not see on the stand the equipment in which you are interested you will receive a hearty welcome at the London showrooms of Messrs. A. G. Spalding & Bros., Ltd., 317-318, High Holborn, W.C.1.

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Stand No. 11

The Locomotive Publishing Company.

The Railway enthusiast will find here a collection of books, periodicals and photographs that will raise feelings of envy and desire. A publication that should be found in every home, where history is not regarded as a mere collection of dates, kings and battles, is the Railway Centenary. No matter what time the reader favours—it is here treated of in full measure both of text and illustrations. The photographs of old, and in some cases long scrapped locomotives are indeed to be treasured. Here in one volume is an epitome of steam travel for a hundred years. A more complete work dealing with the first forty years of Railway development is offered under the title "Early British Railways." The locomotive specialist will find his prize in the corresponding work "Timothy Hackworth and the Locomotive." This book deals with steam engines from Watts' time up to the great days of Trevithick, Stevenson and Hackworth. Continuing in the path of progress the 'last word' is described and illustrated in "The Locomotive of To-day" and "The Locomotive in Service." We notice that a book to appear shortly is one that seems to combine a whole library in one cover—"The British Steam Locomotive 1825-1925." Students, Model Makers, and all interested in Railways will revel in the catalogue of photographs and lantern slides issued in a convenient looseleaf form, which will be kept up to date from time to time as new negatives are taken.

Stand No. 12

Kinutilities and Wireless Apparatus.

Will Day, Ltd.

The stand for Wireless Apparatus, from that well-known and old established house of Will Day, Ltd., is well worth a visit. Here can be seen the latest forms of Loud Speakers, and a splendid example of the "Elstree Six" Receiving Set. This firm has ever set a high standard for wireless components, and the latest coils for the Everyman Four Circuit and centre Tapped Coils at very reasonable prices are worthy of the consideration of every enthusiast. Another speciality of this house is its High Grade Ebonite, both in Sheet, Rod and Tube, cut to any size while you wait. All gauges of Enamelled and Double Cotton covered wire are put up in very convenient reels of $\frac{1}{4}$ lb. and upwards, whilst a full range of all makes of valves and components of every description is always carried in stock.

Stand No. 13

The Old Hand and the Novice.

WORKING MODEL.

H.M.S. ROYAL OAK.

Built by Mr. Will Day. Awarded Silver Medal and Diploma of Honour at the Model Engineer Exhibition 1926. This model is not exactly to scale, but follows the lines of the Battleship of the same name. Constructed of oak, it is fitted with two sets of high speed twin engines running at 2,000 revolutions per minute, direct coupled to twin screws. The Boiler is a cross water tube one, paraffin fired. There is a separate Donkey pump for throwing all bilge water overboard, also a separate double action steam pump in Forecastle and hand pump for filling boiler from water overside. The ship will steam for 40 minutes at one filling and maintain a speed of 14 miles per hour. A steam pressure of 50 lbs. per square inch can be raised from cold in less than ten minutes

WORKING MODEL.

TORPEDO BOAT DESTROYER.

Built by Mr. Will Day. Awarded Bronze Medal and Diploma of Honour at the "Model Engineer" Exhibition 1926.

The ship is fitted with High Speed Triple Engine giving 3,000 revolutions per minute. Boiler cross water tube type paraffin fired. Hand pump to boiler for filling. Maximum speed 18 miles per hour. This boat is true to type and the deck fittings are correct in pattern and detail.

WORKING MODEL.

TRIPLE EXPANSION STEAM ENGINE,

with link reversing motion to valves. A model full of detail and correct in design.

WORKING MODEL

AN ATLANTIC TYPE LOCOMOTIVE.

Built by Mr. W. A. Carter, a Polytechnic Engineering Student. This engine carries a loco type coal fired boiler with feed pump worked from axle, and a hand pump in tender. Other boiler fittings include a "Pop" safety valve, 11 $\frac{3}{8}$ " fire tubes, 1 $\frac{11}{16}$ " superheater tube with $\frac{1}{2}$ " diameter superheater element. The working steam pressure is 90 lbs. to the square inch. The cylinders are 1 $\frac{1}{2}$ " \times $\frac{3}{4}$ " with working relief and swifiting valves. The steam control valves are piston type $\frac{3}{8}$ " diameter. Full Walschaerts valve gear is fitted, giving a valve travel of $\frac{3}{8}$ ". Steam brakes are fitted to loco and a hand brake on tender. The Sanding gear is a working one, as is also the whistle.

Stand No. 14

The Model Railway Club.

Find a number of people, of all ages from eighteen to eighty, of all sorts of callings from taximen to dukes; endow them with a lasting belief that the greatest of all hobbies is a model railway, and that such a hobby is much better ridden in company than in solitude; and you will have the material for such a Club as this. Being a club, it is able to do what the individual could not, and so we find on Stand 14 samples of workmanship by the several members. Locomotives, carriages, wagons, signals, portions of track: "Just samples of what our members can do."

Turn to the room behind you—there you see a railway of superior size carrying all sorts of people there and back. The Model Railway Club are running this for the good of the Rebuilding Fund, and since they do not own so large a track as this, they have sought permission to use that of the Society of Model and Experimental Engineers; and not only have these learned and kindly gentlemen consented but they have also sent along the large scale engines to suit. We all owe the Society a debt of gratitude for this favour, and the Club a still greater one for obtaining the loan and then arranging relays of members to run it. To the President, Mr. Keen; to the Hon. Secretary, Col. Harvey; and to the Council, The Polytechnic offers its warmest thanks, and expresses its appreciation of the generous and unsparing help rendered by those who were strangers, and who are now taken into the great "Poly Family."

GYMNASIUM

LOCKER ROOM

THE POLYTECHNIC BOXING CLUB

PRESENT

"A WONDERFUL MAGIC MYSTERY"

The World's Champion Handcuff King.

ADMISSION 3d.

YOU MUST SEE THIS!



THE LOCOMOTIVE OF TO-DAY

The success of previous editions has induced us to have this work entirely re-written by experts in Locomotive Design. We now have pleasure in announcing a thoroughly revised edition, bringing the Illustrations and Subject Matter up-to-date. **Price 5/-**

THE LOCOMOTIVE IN SERVICE

Locomotive Driving—Firing—Maintenance—Repairs—Three Cylinder Compound Locomotives—Testing Valves and Valve Setting—Expansion of Steam and Work in the Cylinders—Superheating—Lubrication—Brakes, etc. **Price 5/-**

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CONTAINING DESCRIPTIVE HISTORICAL ARTICLES:
Stockton and Darlington—London and North Eastern—London Midland and Scottish—Southern—Great Western—and other British Railways.
8 Coloured Illustrations. 16 Monotone Plates. **Price 3/6**

THE BRITISH STEAM LOCOMOTIVE, 1825-1925

By the late E. L. AHRONS, M.I.Mech.E.
A complete treatise on the British Steam Locomotive. The compilation of this exhaustive record of British Locomotive practice, represents nearly 45 years' study and observation by one of the leading authorities on locomotive design and history. Bound in cloth, and of a size uniform with "The Locomotive." 380 pages and 500 illustrations. **Price 30/-**

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Treatise upon the Lubrication of Locomotives—with particulars of the various types of Lubricators. **Price 5/-**

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Containing diagrams and descriptions of the various forms of Locomotive Valve Gears—Stephenson's, Allen's, Walschaert's, Joy's, etc. Slide Valves—Piston Valves—Valve Setting. **Price 5/-**

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Continuous Performance.

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Specific Gravity Experiments.

Try your skill at the Vortex Ring Competition.

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The inexhaustible kettle—a kettle suspended by a fine wire continuously pours out water.

Boiling water at reduced pressure. Is boiling water always hot? Come and test this for yourself.

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Vision through opaque bodies.

Stroboscopic experiments. Moving wheels appear stationary, and sometimes even appear to be moving backwards.

Changing colours.

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The "Nail Eater." Feed the iron eater. Any food taken, but prefers "Iron Tonic" in the form of 3 inch French nails.

Spinning man—the policeman with the dual personality, always ready to do anyone a good turn.

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Wimshurst Machine & Experiments.

(a) "A Matchless Experiment."

(b) Dancing Figures.

(c) Electric Wind.

(d) "Hair-raising" experiments. Gas lighting with finger only, and other "sparkling" experiments.

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Induction coil and lightning—50,000 volts.

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Transmission of Wireless Waves.
Reception of Wireless Waves.
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Measurement of Capacity and Inductance.
Super-heterodyne Receiver.

The Electrical Engineering Department provides full-time Day Courses extending over three years, and part-time Evening Courses extending over six years leading to Degrees, Diplomas and Certificates.

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In addition there is a special section devoted to the needs of G.P.O. students.

ELECTRICAL ENGINEERING LABORATORY

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Automatic Telephone Exchange.

Are you a present or prospective Telephone Subscriber?

If so, you will be interested in the **working model** of the **Automatic Telephone System** which the G.P.O. is providing for London.

The apparatus is kindly lent by the Engineer-in-Chief to the G.P.O. —Colonel T. F. Purves, M.I.E.E.—and will be demonstrated by Messrs. Biddlecombe and Evans, lecturers in the Polytechnic Telegraph and Telephone Section, who are kindly giving their services.

Here are a few questions which are being asked concerning the new system. Come and have them and any others answered. Where possible the answers will be accompanied by demonstrations in which you yourself may take part:—

- I. What form will the new subscriber's telephone take?
- II. How will calls be made to—
 - (a) Subscribers of the same exchange?
 - (b) Subscribers of other automatic exchanges in the London Telephone Area (Bishopsgate for instance)?
 - (c) Subscribers of manual exchanges in London (say Paddington)?
 - (d) Subscribers in the Toll Area (at Brighton or Chelmsford, say)?
 - (e) Subscribers in Provincial Areas (Manchester or Edinburgh)?
 - (f) Subscribers *via* the Anglo-French; Anglo-Belgian; Anglo-Dutch and Anglo-Swiss Services?
- III. In these cases what happens if the subscriber called is engaged or out?
- IV. What is done to answer a call?
- V. What is done at the end of a conversation?
- VI. How soon after the end of one call can I initiate another?
- VII. How do I send a telegram or an express message by telephone?
- VIII. How do I give an alarm in case of fire or burglary?
- IX. Why does automatic working involve different Directory Numbers in some cases?
- X. If the telephone number of the subscriber called has been changed, shall I be able to ascertain his new number quickly?
- XI. Will Public Call Office working still be possible? How is payment made when the call is completed?
- XII. I have a private branch exchange and at present the attendant obtains my connections. Will this still be possible with automatic working?
- XIII. How are calls registered?
- XIV. If I am in any difficulty can I obtain speedy communication with a responsible official?

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*Young and old they'll all be there;
There's no place like the 'Fun of the Fair.'*

Roll up for the following amusing shows in the GYMNASIUM.

Covering the disc.
Rolling tanks.
Silhouettes.
On the squares, black and white.
Bowling Alley.

In the CARPENTER'S SHOP and BUILDING LABORATORY

—real fun and amusement.

"Ye ancient" cocoanut shies.
Washing on the line.
Hoop-la.
Hook-'em.
Pot 'em in the rack.
Ring the bottles.
"Bubbles."
"Get rich quick."
Darts in cigarettes.
Card Darts.
Electrical table.

All at popular prices.

Wonderful prizes—watches, china, glass, cigarettes, chocolates, sweets, ladies' overs and undies, etc., etc.

1927.....will be a *Model Engineering Year.*

IT will be a Happy New Year if you join the band of readers of **The Model Engineer** and **The Model Railway News**. These readers have the whole world of engineering to enjoy. They build models of locomotives, liners, speed-boats, aeroplanes, and every kind of engineering plant; they make dynamos, motors, and electric light equipment; they make and use clever tools and workshop appliances; and they plan and run wonderful model railways. They are of all ages and all occupations; they live in all parts of the world, and they enjoy the fascinating hobby of model engineering to the full. Become a model engineer or a model-railway man and make your spare-time hours full of new and absorbing interest.

The Model Engineer

Every Thursday 4d.

The Model Railway News

Monthly 6d.

The worlds'
best two
model papers

SCHOOL OF ENGINEERING

Exhibition of Machinery, Apparatus, etc.

(In Sub-Basement.)

ENGINEERING WORKSHOP.

Here, students are engaged in various machining processes, including turning, planing, milling, gear cutting and grinding.

The furnaces for heat-treatment of steel are in operation, with temperature-measuring devices.

A shaping machine, constructed by students of the School, and a lathe in course of manufacture, are exhibited, together with many samples of work.

ENGINEERING LABORATORY.

Testing of Materials.

Machines in operation on the testing of materials under various systems of loading. Apparatus for measuring changes of length, accurate to one-ten-thousandth of an inch.

Hydraulics.

Apparatus for measuring flow of water. A three-throw electrically-driven pump raises water to the top of the building (100 feet), to a tank, from which it descends to operate a Pelton Wheel.

Fuel Testing.

A variety of apparatus for the study of the heating values of coal, oil and gas, and the viscosity and flash point of oils.

Heat Engines.

A steam engine, and a steam turbine which rotates at 24,000 revolutions per minute—80 times round in the tick of a watch. A four-cycle gas engine under test.

Motor Cars and Engines.

A chassis in section, with parts in motion, as used in class for owner-drivers.

A "Dorman" 4-cylinder car engine, and a "Barr" and "Stroud" sleeve valve cycle engine under test. Also a "Trojan" engine.

Model Steam Engine.

A working model of a steam engine constructed by Mr. W. Carter, a third year day student, at his home. This model was awarded a medal at the recent Model Engineer's Exhibition.

The Day School of Engineering was the first to be founded, in 1881, and is now in its 45th session.

Full courses are conducted in Day Classes, extending over three years, and leading to Degrees and Diplomas in

Mechanical, Electrical, Structural and
Automobile Engineering.

In the Evening Department there are courses in

Mechanical, Civil and Automobile Engineering.

RIFLE RANGE

Open every afternoon and every evening—January 6th, 7th and 8th.

THE POLYTECHNIC RIFLE CLUB.

All visitors to the Fête who are interested in Shooting must visit the **Rifle Range**.

4 shots for 6d—9 shots for 1/-.

Shooting at fixed targets, breakable china discs, and china eggs rolling down a slope.

Prizes will be given as follows:—

Cigarettes for every bull scored or disc broken. Or in the case of a lady, a prize chosen from a selection of glassware, etc.

Special prize for guessing the number of shots fired throughout each day.

The Club will provide Rifles, Ammunition, Targets, etc.

Hoopla. 3 rings 2d. 10 rings 6d.

Hookem. 5 rings 2d. Score of 21 for a prize.

CAVENDISH HALL

The Polytechnic Rowing Club & Quintin Boat Club

Crossing the Line per s.s. "Polly Quintin."

At 7.15, 8.15 & 9.15 p.m. each day, JANUARY 6th, 7th & 8th, 1927.

ADMISSION 6d.

SYNOPSIS.

EVENING OF THE DAY BEFORE.

Rumours of an impending visit from Father Neptune are current, and the novices (i.e., those who have never before crossed the Equator) are a little bit "windy," but are putting on a bold front.

8 BELLS (MIDNIGHT).

Neptune appears mysteriously and gives warning that he will hold his Court on board the next day, to examine and initiate novices.

NEXT DAY.

Time has elapsed very quickly to oblige the audience.

5 BELLS.

Business commences.

CAST.

Father Neptune—The heathen Sea God of undoubted antiquity.

Amphitrite—His Consort.

Their Daughter.

Dolphinus—Clerk to His Aquatic Majesty.

Imp.

Police.

Barbers.

Retainers.

Bears.

Doctor.

ROOM 39

(GYMNASIUM GALLERY)

Museum—Artful and Otherwise.

The Old Members' Association have the temerity to introduce to your respectful notice a miscellaneous collection of **Works d'Art**, vulgarly described as an Artful Museum.

Your patronage of our Exhibition is invited with the avowed object, primarily, we do not disguise the fact, of relieving you of a small amount of superfluous cash in aid of the Rebuilding Fund, increasing your sense of humour and discharging an obligation to the Institution.

For the more intellectual, and others of a profound nature, a Scientific and Loan Collection has been thoughtfully added. We are of opinion that all tastes have been studied—therefore do not fail to attend.

Admission Threepence in cash—I.O.U.'s not accepted.

N.B.—A prize, worth one guinea, will be presented to every hundredth visitor.

SMOKING ROOM

EVENING PERFORMANCE.

The O.Q. Follies.

ADMISSION 6d.

The O.Q. Club will provide an entertaining evening to suit all tastes. A Concert Party full of Mirth and Melody, Sweet Singing, Hilarious Humour and Enjoyment for Everybody.

Under the direction of Mr. L. A. Culliford.

Three shows nightly—7.10, 8.20 and 9.30.

If you don't see this show you have missed one of the most attractive and enjoyable features of the Fête.

When you have seen one show, come again and bring your friends.

AFTERNOON PERFORMANCE.

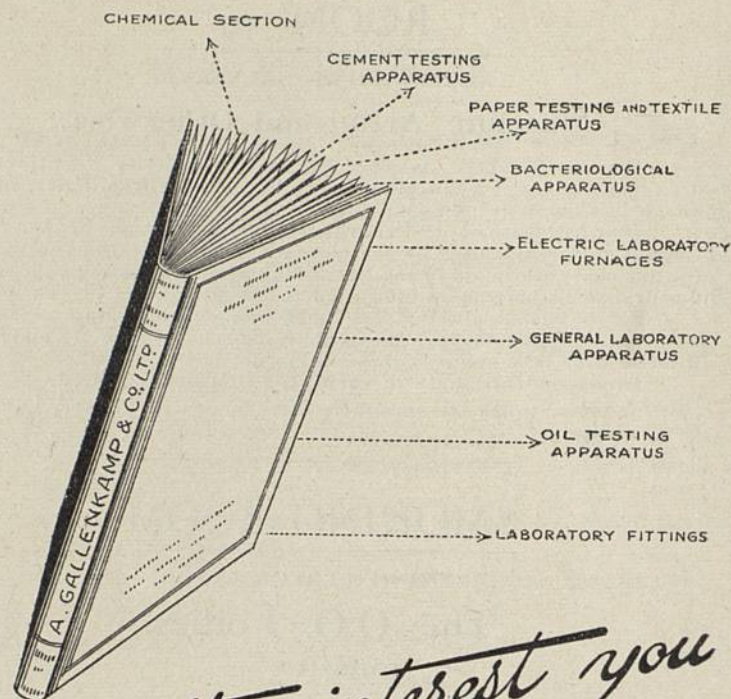
"The Trial of Mr. Pickwick."

(Under the direction of Mr. A. H. Sleight, M.A., Polytechnic Preliminary Department.)

ADMISSION 6d.

At 2.30 p.m. and 4 p.m. each day. January 6th, 7th & 8th.

Would you like 45 minutes of undiluted fun and innocent merriment? Yes? Then come and see "The Trial of Mr. Pickwick," acted by budding Engineers and Architects. Admire the dramatic gestures and—if you will—the brazen and hypocritical eloquence, the sententiousness and sarcasms of Sergeant Buzfuz. Enjoy the witticisms of Sam Weller, the fussiness of the ushers, the absurdities and perversities of the bad-tempered, suspicious little judge. Try to unravel the irrelevances of Mrs. Cluppins; pity the nervous terrors of poor Mr. Winkle in the witness-box; pity Mr. Pickwick as he falls a victim to that base designing female, Mrs. Bardell; and watch the antics of Master Bardell. All these things you will know how to appreciate in this little sketch from Dickens.



Does this interest you

GALLENKAMP'S 8TH EDITION, 1926 CATALOGUE.

THIS Catalogue embodies 1,200 pages of General and Industrial Research Apparatus, including subjects as enumerated above and in addition comprehensive sections dealing with Botanical Apparatus, Chemical Lecture Charts and Diagrams, Milk Analysis Apparatus, Etc., Etc. An added feature is the inclusion of latest Scientific Text Books, also a most useful and comprehensive arrangement of General and Analytical Chemicals.

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SCHOOL OF CHEMISTRY

(FIRST FLOOR BACK)

Lecture-Demonstrations on Liquid Air, Soap Bubbles, Flame, and Glass Blowing.

ADMISSION 6d.

Exhibition of Apparatus, etc. (*Admission Free*).

Owing to rebuilding operations the exhibits of the School of Chemistry are rather limited.

In the Large Laboratory there will be shown a number of typical pieces of apparatus in common use, as well as specimens of crystals, etc. During the afternoon and evening a certain number of experiments will be demonstrated here.

Lecture-Demonstrations will be given in the Chemistry Lecture Theatre on "Liquid Air," "Soap Bubbles" and "Flame." The boiling of a kettle on a block of ice, rapid freezing of fruit, flowers, meat and indiarubber with peculiar effects, and the combustion of many substances by dipping into Liquid Air will be shown. The lecture on "Bubbles" will be illustrated by strangely formed bubbles and beautiful colour effects. The nature of flames and the causes and results of explosions will be demonstrated.

Times of Lectures.

Thursday	4 p.m. and 7.15 p.m.	Liquid Air.	These Lectures take from 20 to 30 minutes.
"	8.30 p.m. - - -	Flame.	
Friday	4 p.m. and 7.15 p.m.	Liquid Air.	
"	8.15 p.m. - - -	Flame.	
Saturday	3 p.m. - - -	Soap Bubbles.	
"	4 p.m. and 6.30 p.m.	Liquid Air.	
"	8.0 p.m. - - -	Soap Bubbles.	

ADVANCED LABORATORY. Demonstrations of Glass Blowing by Messrs. A. Gallenkamp & Co., Ltd.

The work of the School of Chemistry is comprehensive, and includes all branches of Chemistry. The Day School trains students in theoretical principles and practical manipulations in courses arranged for the B.Sc. Hons. Degree and the Associateship of the Institute of Chemistry. Evening classes deal with the elementary stages up to fifth year, after which the B.Sc. or A.I.C. Diploma may be taken. Courses in Applied Chemistry include Gas Engineering, Painters' Oils and Colours; Fats, Oils and Waxes, etc.

The Ideal Food-Drink

HORLICK'S Malted Milk is pure, full-cream milk enriched by the wholesome nutritive extracts of the choicest malted barley and wheat-flour. Its ample nourishment is so easily digested and so quickly assimilated that it feeds the whole system, promotes better health and helps to build up that reserve of energy upon which good work is dependent.

It is an ideal quick lunch for Students and an admirable stand-by when time is pressing. When taken hot before retiring it induces restful sleep and it is an invaluable help when preparing for Exams.

Horlick's is also the ideal training diet for Athletes and many of the star performers of the "Poly"—members of the Harriers, Cycling and Swimming Clubs—have won their laurels by gaining that superlative degree of fitness necessary to attain Championship status through the regular use of Horlick's—The Diet of Champions.

**Served in the Poly Refreshment Room
and at Cafés of standing.**

*Of all Chemists and Stores in glass
bottles, 2/-, 3/6, 8/6 and 15/-.*

Ask for and see that you get HORLICK'S



Horlick's Malted Milk Co., Ltd., Slough, Bucks.

Free Sample Drinks given at our Stall.

ROOM 20

(SECOND FLOOR.)

THE POLYTECHNIC BOXING CLUB

PRESENT

FRANK EDWARDS' FAMOUS

LIVING MARIONETTES.

Numerous performances each evening, commencing at 7.30 p.m.
and continuing at intervals up to 10 o'clock.

ADMISSION 6d.

DON'T MISS THIS ORIGINAL ENTERTAINMENT.

ROOMS 21 & 22

(SECOND FLOOR.)

The Women's Gymnasium & Netball Club

The Members of the Polytechnic Women's Gymnasium & Netball Club present a silent drama entitled:

"A MYSTIC PERFORMANCE"

Five performances nightly, at 7.30, 8, 8.30, 9 and 9.30.

ADMISSION 3d.

MUST BE SEEN TO BE BELIEVED.

ROOMS 23, 24 and 25

(SECOND FLOOR)

"ROUND THE CLOCK (24 Hours)"

Grand Cycle Show

(Organised by the Polytechnic Cycling Club).

ADMISSION 6d.

Four Shows Nightly—7.15, 8.0, 8.45 and 9.30.

Members of the Polytechnic Cycling Club and all Cyclists will flock to "Round the Clock" in 24 hours in the Cyclist's Velodrome.

Museum of Old Time Bicycles.

Photos and Illustrations, etc.

Novelties and humorous items.

Competitions—racing on home Trainers.

Motor Pacing effects.

Exhibitions by W. J. Bailey, and others.

Lantern Slides, etc., etc.

Don't miss this show if you want a really interesting and enjoyable half hour.

By Order of the Executioners of Dreary Mellon-Colly Diseased.

THE HOCKEY CLUB

beg to announce that they have received instructions to offer

FOR SALE

threepenny tickets to view the

HIGHLY DESIRABLE

HAUNTED HOUSE

designed in the Neo-Lumbago and Plasticene Styles.

SITUATED IN

ROOM 31 on the THIRD FLOOR.

Standing in excellent COFFEE GROUNDS and having its own Dustbin and Emergency Exit.

COMPLETE with excellent collection of GHOSTS, SKELETONS (in the Cupboards), NOISES OFF, SPOOKS, SPOOFS, etc.

SPIRITS of any kind can be produced (by your paying the money to send out for them).

HOT and COLD SHIVERS laid on to every room. The Billiard Room contains the ORIGINAL GHOST that Hamlet saw—brought over by the late owner at enormous expense from Amer-, Swe-, Denmark or somewhere.

Excellently equipped TORTURE CHAMBER for Income Tax officials and other necessary evils.

THE ACCOMMODATION consists of a series of eerie passages together with collapsible roof, and so designed that on entering you meet yourself coming back from the way you would have started had you been going in the opposite direction to the one that—or something like that.

Further particulars from the

Solicitors:—BLINKINS, WINDELL & CO.

ROOMS Nos. 32-33

(THIRD FLOOR.)

ADMISSION 6d.

THE POLYTECHNIC PARLIAMENT

PRESENT

“MOONLIGHT AND WINKLES.”

An Amusing Breach of Promise Case, in One Act,

Written and produced by Mr. C. S. Hadfie'd.

Performances at 8 and 9 p.m. on January 6th and 7th.
Three Performances on Saturday, January 8th, at 7, 8 and 9 p.m.

ROOMS 34 and 35

(THIRD FLOOR)

The Polytechnic Lantern Society.

SCENE, SONG AND STORY.

ADMISSION 6d.

The Polytechnic Lantern Society are giving a series of Picture Concerts. The programmes will include beautifully illustrated songs with humorous interludes, etc.

Times of Concerts.

Thursday and Friday, January 6th and 7th, at 7 p.m. and 8.30 p.m.
Saturday, January 8th, at 6 p.m., 7.30 p.m. and 9.30 p.m.

Those who have attended any of the Lantern Society's Picture Concerts will want to attend some of the performances they are giving during the Fête. Those who have not had the good fortune to be present at one of those performances will miss a most interesting and enjoyable feature of the Fête if they do not take the opportunity of attending at least one of the performances on January 6th, 7th and 8th.

ROOM 37

The Polytechnic Ladies' Athletic Club

The Members of the P.L.A.C. present

“THE HUMAN SPIDER.”

Continuous performance each evening from 6 to 10 o'clock on
January 6th, 7th and 8th.

Matinee commencing at 2 p.m. on January 8th.

ADMISSION 3d.

DON'T MISS THIS SHOW!

Importance of Choice of Emulsion

The plates or films you use determine the quality of your Pictures; indeed everything hinges on their capabilities. Besides many singular characteristics

IMPERIALS

offer the extra advantage of freshness. The rapid turnover of dealers' stocks is a sign of their great popularity

IMPERIAL ECLIPSE PLATES ORTHO & NON-ORTHO embody phenomenal speed-650 K&D. with every other desirable quality

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IMPERIAL N.F.-225 K&D. & New Series 450 K&D, incorporating a Light Filter in the emulsion, & the world-wide favourites

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are alike up to the
Imperial standard

THE IMPERIAL FINE GRAIN
ORDINARY IS THE PREMIER
PLATE FOR TRANSPARENCIES
& ENLARGED NEGATIVES

SCHOOL OF PHOTOGRAPHY

(FOURTH FLOOR.)

Film Entertainment on the "Kodascope."

ADMISSION 3d.

Exhibits by the School of Photography, etc. (*Admission Free*)

An interesting series of exhibits will be found on the fourth floor, arranged by the School of Photography.

There is a collection of prints made by past and present students of the School, and a remarkable exhibit of sensitising dyes as used in the manufacture of colour sensitive photographic plates. The various stages in the life history of a compensating filter for use with these special Ilford plates are also illustrated. A Mercury Vapour lamp suitable for calibrating the spectroscopes used in this kind of work is also shown in operation. The optical side of photography is well exemplified by a collection of lenses and apparatus of modern manufacture.

Animated pictures of a variety of interesting subjects will be shown by the "Kodascope."

The School of Photography is the oldest, the most successful, and in closest touch with the profession. Students are prepared in the day classes for a professional career, and are offered two alternative courses. A one year course for adult students whose time is limited, or who are visitors from the Colonies, also a two year course for younger pupils whose parents desire them to take positions as assistants. Evening classes in special subjects deal with Negative Making and Printing, Portraiture, Enlarging, Commercial Photography, Retouching, Finishing, and lectures in preparation for the City and Guilds Examination.

SCHOOL OF ARCHITECTURE, BUILDING AND SURVEYING

Trade Classes - Technical and Practical.

EXHIBITION IN THE STUDIOS (FOURTH FLOOR)

STUDIO A.—ROOM 40.

Specimens of drawings from Senior Students, including:
The Design awarded the Bosson Gold Medal, 1926.
The Design awarded the British Institution Scholarship (£150), 1926.
Drawings exhibited by students now in the Schools of the Royal Academy.
Typical sets of drawings prepared for the professional examinations.
Sets awarded medals for Vacation Work (Day School), 1926.

STUDIO B.—ROOM 41.

Exhibits from the Workshops and Laboratories.
Carpentry and Joinery, Cabinet Making and Plumbing.
The craft work submitted for the May, 1926, City and Guilds Examination, in Carpentry and Joinery, and Cabinet Making, including the work awarded the first place United Kingdom in Carpentry and Joinery.
Exhibition of Apparatus used in Testing. Specimens of test pieces used, from the Building Materials Laboratory.

STUDIO C.—ROOM 42.

Junior Work
in Architecture, Architectural Design, Construction, etc. (Day and Evening Departments).
Specimen note books—Land Surveys and Field Notes, and a small exhibit of some of the Equipment for Office and Field Work in Surveying and Levelling.

LOBBY APPROACH TO STUDIOS.

Specimens of Out-Door Work, Session and Vacation Studies, in pencil and colour.
Examples of study of architectural ornament, and decoration.

This is one of the two foundation Senior Schools of The Polytechnic. Evening classes commenced in 1882. Day Department founded in 1892. One of the purposes of the Rebuilding Fund is to provide adequate accommodation for this large and annually increasing School.

Exhibited are specimens of work—limited in quantity and dimension owing to space available—illustrating the four sub-sections of the curriculum of the Department.

Architecture and Design.

Construction—Theory and Applied.

Surveying and Professional Practice.

Technology—Technical and Practical.

ART SCHOOL—ELEMENTARY ROOM

(FIFTH FLOOR)

Exhibition of Works of Students of the School of Art.

In the Elementary Room of the Art School are exhibited a few specimens of work done in the School. Owing to lack of space it has not been feasible to arrange a representative exhibition of the work of the School, so only a few works from the following sections are shown.

Portrait Life Classes.

Landscape and Interior Painting.

Still Life Painting.

Design Section (Textiles and Wall-paper).

Book Illustration.

Modelling (including the set of works which won the British Institution Scholarship in Sculpture, 1926).

The School of Art provides full-time courses of professional training for students intending to become Painters, Sculptors, Designers, Book-illustrators or Art-teachers.

It also has evening classes in all subjects for part-time students.

ART SCHOOL—DESIGN ROOM

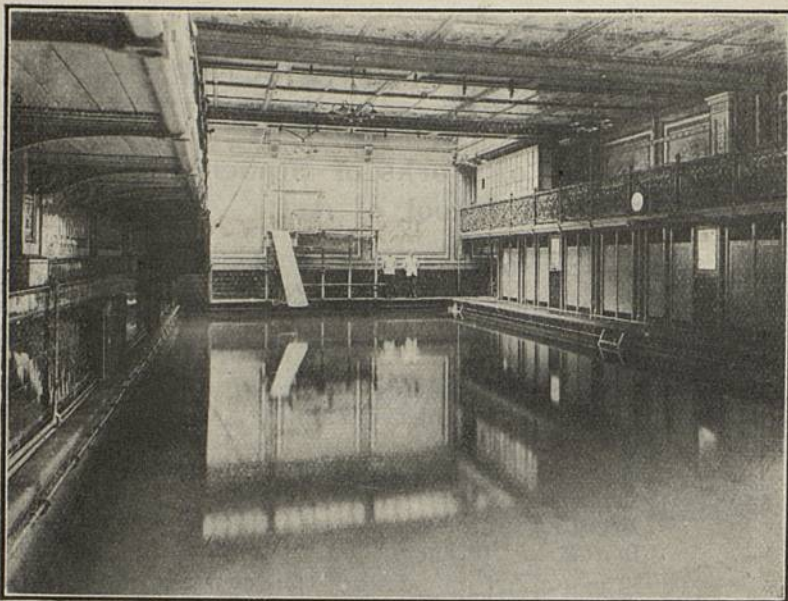
(FIFTH FLOOR).

Exhibition of Work by the Polytechnic Secondary School for Boys.

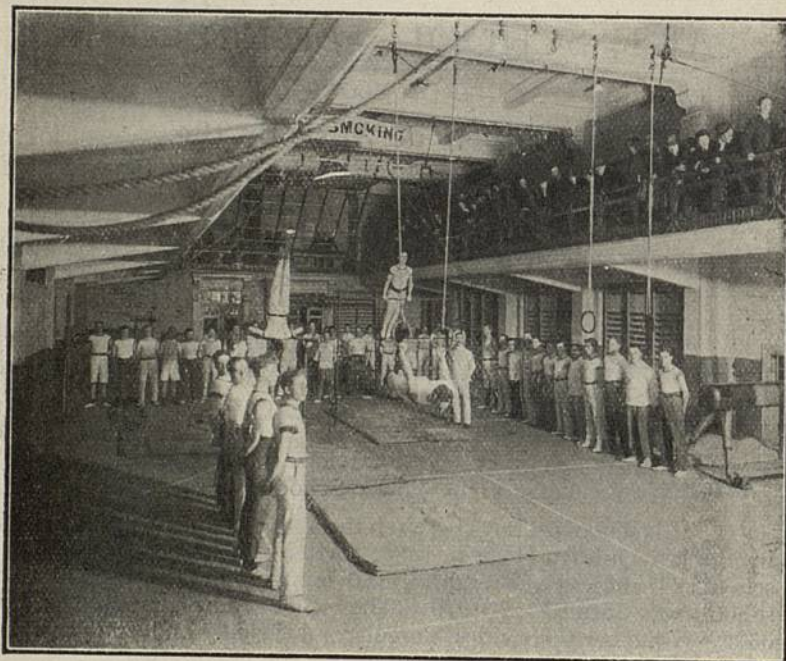
The Exhibition of work consists of:—

1. Examples of Art work, Geometrical and Mechanical Drawing, Maps, and work done in connection with the manual training course.
2. Sets of books containing ordinary work of the boys during the last term and illustrating the course of work in different subjects.
3. Examples of special work in English, including a model of Shakespeare's Globe Theatre constructed by some boys of the Lower School.

This school for boys between the ages of 9 and 19 was founded by the late Quintin Hogg in 1886. After existing as two separate schools (Technical and Commercial) for many years, a combined school was formed in 1919. The school now numbers about 650 boys and has three sides, Commercial, Science and Engineering.



The Swimming Bath is used by over 15,000 Students and Members from May to September, It is utilised as a Lecture Hall in the Winter.



The Gymnasium is used by well over 100 Members every evening.

Why not become a Member of The Polytechnic?

MEN'S SECTION.

OPEN EVERY EVENING from 5.30—10.30.

ANNUAL SUBSCRIPTION.

10/6

(Registration Fee 1/-)

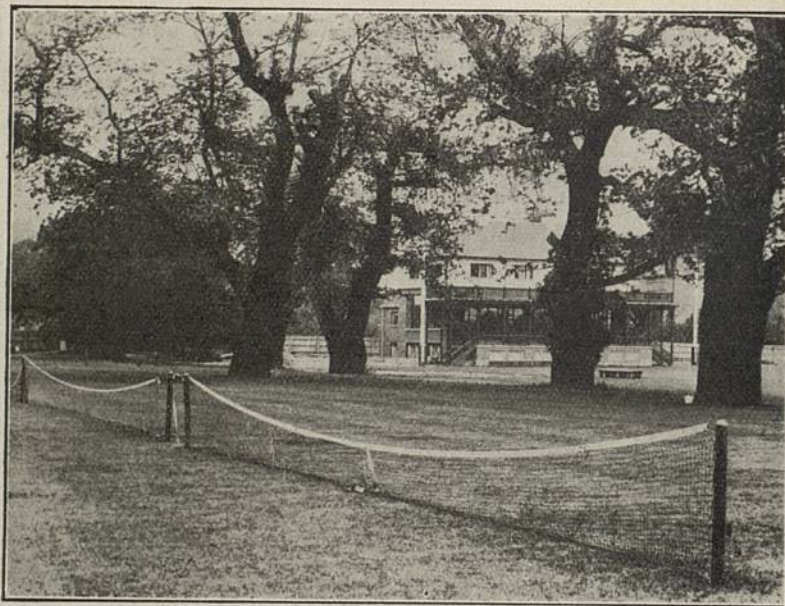
Entitles Young Men between the ages of 16 and 26 to the following privileges:

1. Full Membership of THE POLYTECHNIC, with its Splendid GYMNASIUM, READING ROOM, REFRESHMENT ROOM, BILLIARDS ROOM (3 full-size Tables), SMOKING ROOM.
2. Free admission to the Swimming Bath during the summer.
3. The "Polytechnic Magazine" posted free on publication.
4. FREE LEGAL ADVICE by an Experienced Lawyer (Wednesday evening).
5. FREE MEDICAL ADVICE (Tuesday and Friday evenings).
6. FREE DENTAL ADVICE (Thursday evening).
7. Free Circulating Library.

Subscriptions paid quarterly, 3/-, entitle to all above privileges, except Nos. 2 and 3.



The Polytechnic Boathouse is one of the finest on the river. It is used by the students of the Day Schools as well as the Members of the Rowing Club.



A part of the Polytechnic Playing Fields showing the Pavilion.

Why not become a Member of The Polytechnic?

WOMEN'S SECTION.

(This Section is conducted on similar lines to the Men's Institute.)

ANNUAL SUBSCRIPTION

5/-

OR 1/6 PER QUARTER

Registration Fee 1/-; Joining Age 16-26.

OPEN EVERY EVENING from 5.30—10.

SATURDAYS 3 p.m.

The Subscription entitles a member to the following privileges:

READING ROOM
REFRESHMENT ROOM
PIANO FOR PRACTICE
(Fee - 6d. per half-hour).
CIRCULATING LIBRARY
FREE LEGAL, MEDICAL
AND DENTAL ADVICE.

SPORTS CLUB.

The following Clubs are open to members of the Institute—

Tennis Club,	Entrance Fee 3/6	Subscription 7/6
Swimming Club	„ 1/6	„ 3/6
Hockey Club	- - -	„ 7/6
Badminton	- - -	„ 10/6
Gymnasium	- - -	„ 1/6
Athletic Club	- - -	„ 3/6

For further particulars, apply to—
The SECRETARY,

Young Women's Institute,
15, Langham Place, W.1,
(Adjoining Main Building).

Why not become a Student of The Polytechnic?

which provides

OVER 700 EVENING CLASSES WEEKLY

in more than

100 Different Subjects,

including Architecture, Building and Surveying; Art; Chemistry; Commerce; Domestic Economy; Engineering; Hairdressing; Industrial Administration; Languages and Literature; Mathematics and Physics; Matriculation Course; Motor Body and Carriage Building; Music; Photography; Physical Training; Speech Training and Dramatic Art; Tailors' Cutting, etc.

Grouped Courses are a special feature.
Preparation for the various National, Professional,
Technical, and other Examinations.

MODERATE FEES.

Prospectuses giving particulars will be forwarded free on application to the DIRECTOR OF EDUCATION.

(If you are interested in DAY COURSES, please apply also for special Day Prospectus).

EXTENSION & REBUILDING FUND

We are pleased to be able to report that the total paid and promised to date in connection with the Rebuilding Fund now amounts to £153,019. Of this amount our Members and Students have contributed the following:—

Mrs. Quintin Hogg Memorial Fund	£1,029	13	0
Members' Fund	£1,400	2	10
Teachers and Students	£2,578	5	8

It will be remembered that our members, and our students, are each endeavouring to raise a quarter of a million shilling fund. Although a fair start has been made there is a considerable balance to make up to bring the total of each fund to the £12,500 aimed at.

Members and Students can help in any of the following ways:

- (1) A donation payable in one sum.
- (2) A donation payable in monthly, quarterly, or yearly instalments. (Donation form overleaf.)
- (3) By taking collecting cards and including your own and your friends' contributions thereon. (Cards will be supplied on application.)
- (4) By taking £1 books of 1s. Donation Coupons.

Collecting cards or books of donation coupons will gladly be supplied on application to the Counter in the Entrance Hall, and donations may be paid there at any time.

Don't forget, we need YOUR help!

THE POLYTECHNIC REBUILDING FUND

To

SIR KYNASTON STUDD,

President, THE POLYTECHNIC,

REGENT STREET, LONDON, W.1

Dear Sir,

I shall be pleased to subscribe the sum of
£.....to your Rebuilding Fund,

* and I enclose remittance for that amount,

* and I desire to pay that amount in

*monthly

*quarterly } instalments of £....., commencing

*yearly

....., 192 ..

Yours truly,

(SIGNATURE)

(ADDRESS)

* Please strike out the words which do not apply.

Bond's

66 PAGE 1927 CATALOGUE

CONTAINS ALL THAT
IS INTERESTING TO
**THE MODEL
MAKER AND
MODEL RAILWAY OWNER**

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Post Free

Here is a small selection from the **76 Locomotives** described and illustrated in our catalogue.

Parts for Building Coaches, Wagons, Stations, Locomotives; Mechanisms, Electric or Clockwork.

Bond's Famous All-Steel Track in 3 sections. Standard Tin Track.

Bond's "00" Scale Track.

Boiler Fittings, Nuts, Bolts, and Rivets.

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Samples of our Gauge "00," 0 or 1 Steel Track sent on request.

WE MAKE MODELS, REPAIR MODELS, and undertake any work on customer's own models.

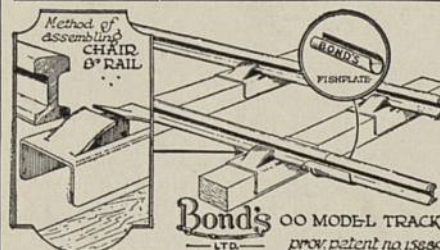
Full Stock of Parts to repair the MARKLIN LOCOMOTIVES.

ModelMakers abroad are invited to send for Catalogue, and to add its cost to the first purchase.

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Run your 00 Railway on Real Scale Track, and lay it yourself. All details in the Price List.
Rail per 12 in. Length, 2d. Fishplates, 6d. doz.
Try-out Box to build 3 feet of track, 2/9.
Chairs, 1/4 doz. Sleepers, 1/4 doz.

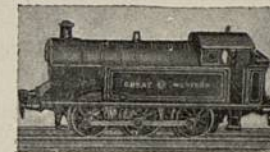
FIVE OF OUR MODELS



Electric Locomotive, 4-6 volts. Reverse with reversal of current. Great hauling power. Connecting rod. Gauge 0, 16/- post 6d. Gauge 1, 35/- post paid.



Steam Passenger Loco, L.M.S. and L.N.E.R., with Oscillating Cylinders, Safety Valve Whistle. Turned Iron Wheels and Tender. Gauge 0, 19/- post 6d. Gauge 1, 32/- post paid.



The 0-6-0 Tank is a most convenient Loco to handle, having no loose wheels. It has immense haulage power and length of run. Speed regulator. Carr. paid 36/6. L.M.S. Rly., G.W. Rly., L.N.E. Rly.



A new and very powerful 0-4-0 Shunting Tank, L.N.E.R. with reverse. A simple to handle model for all purposes. 12/6 post 6d.



Electric Hauler, 4-wheels only. (4 to 6 volts). Of the correct Tractor type with hand rails. 27/6 post paid. Runs on standard centre rail "0" track.

THE POLYTECHNIC

307-311 Regent St.

London, W.1

Extension & Rebuilding Fund

The Governors of The Polytechnic
are appealing for

£250,000

to enable them

- (a) *To build at the rear of the present Polytechnic a new Library, Engineering and Chemical Laboratories, Class Rooms, etc.*
- (b) *To erect on a neighbouring site a large Building in place of the present annexes (the leases of which will soon expire), in order to provide:—*
 - (i) *A Young Women's Institute, including Gymnasium, Assembly Hall, Reading Rooms, etc.*
 - (ii) *Accommodation for the Schools of Architecture, Commerce, Tailoring, Carriage Building, Hairdressing, Speech Training, and Music, and the Matriculation Department.*
- (c) *To add eight acres to the Recreation Ground.*

HELP IS URGENTLY NEEDED

Please send your donation to
the President:

SIR KYNASTON STUDD,
309 Regent Street, W.1

We have still £97,000 to raise.