

XIV

INTERNATIONAL APPRENTICE COMPETITION

GLASGOW 1965



**report of the
general
secretariat**



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F O R E W A R D
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Following the precedent established last year with the publication of a report on the XIIIth International Competition of Apprentices and bearing in mind the acceptance which this document had, we believe it necessary to establish definitely this custom. The present report follows the same lines as the former, so that desired information will be more easily found.

On the other hand, the importance which these reports have in divulging our activity among interested organizations, is to be emphasized. All the copies of the anterior edition were out of stock in a very short time; so we feel obligated to print more editions this year. In addition to the above mentioned, the report of the XIVth International Competition appears with comparative tables so that one may avail himself of the experience which we have acquired in this work. Therefore, we believe it will be of more use for everyone. Also on this occasion we are publishing editions in both English and Spanish. Hoping that this report will be useful to you, we present to you the new booklet, thanking you in advance for any observations or criticisms which you may wish to put forward to us.

I N T R O D U C T I O N

During the meetings of the Organizing Council which took place in Lisbon, while the competitions of the XIII International Competition of Apprentices were taking place, Major General Lloyd, General Director of the City and Guilds of London Institute offered this renowned institution for the preparation of the XIV Competition in the United Kingdom. The preparation was supervised by the aforementioned institute and executed extraordinarily well by the Scottish Committee, virtual organizer of the competition. All this made possible that the fourteenth Juvenile Olympiad had as its setting Glasgow, Scotland. From the 17th to the 30th of July, 1965 the Official and Technical Representatives of the participating countries, engineers, technicians, experts, workshop masters, group leaders, competitors and personnel of the General Secretariat enjoyed once again the experience of these encounters.

In the modern workshops of Stow College of Engineering, Barmulloch College of Further Education, and Glasgow College of Building, the youthful contestants competed in their trades with a fine competitive spirit. In Wolfson Hall and Queen Margaret Hall, where the competitors lived during their stay, they shared once more the warm comradeship which has always been enjoyed by those who have made work their most important goal.

Through the pages of this booklet, on behalf of all concerned, the General Secretariat expresses his most heartfelt appreciation to the organizers of the Fourteenth International Competition of Apprentices, who spared no effort to achieve their goal of a well-organized and successful Olympiad. It was, undoubtedly, a difficult and ambitious goal, but one which was fully and splendidly realized.

THE DIRECTION OF THE XIV COMPETITION

The Organizing Commissions of the United Kingdom, with their inestimable and generous contribution, made it possible for the Organizing Council of the International Competitions of Apprentices to achieve another successful Olympiad.

ORGANIZING COUNCIL OF THE INTERNATIONAL VOCATIONAL
TRAINING COMPETITIONS

P R E S I D E N T

Eugenio Lopez Lopez

Vice-President

Faustino Ramos Diez

Vice-President

F. D. Hill

M E M B E R S

<u>COUNTRY</u>	<u>OFFICIAL REPRESENTATIVES</u>	<u>TECHNICAL REPRESENTATIVES</u>
Germany	Dr. Gech	Franz Woerner-- H. Raspe
Belgium	Pierre Vlaeminck	Jean Vastiau
Spain	Faustino Ramos Diez	Manuel de miro Ramonacho
Holland	A.C.S. Laman Trip	H.J.R. Hamer
Ireland	Michael O'Flanagan	S. Power
Italy	Armando Malagodi	G. Ghedini
Japan	Kan Terauchi	Toshiyuki Tomida
Portugal	Carlos A. Dias Ferreira	Antonio Luiz Gomes
United Kingdom	F. D. Hill	A. R. Emerson
Switzerland	Albert Muller	Paul Fraefel
Luxembourg	Glossener	

The Official and Technical Representatives of
Austria and Denmark were absent.

SECRETARIES OF THE NATIONAL COMMITTEES.

P. D. CroftsUnited Kingdom

GENERAL SECRETARIAT: Francisco Albert--Julio Capdepon--Maruja Lopez

EXECUTIVE ORGANIZING COMMISSION OF THE XIV
INTERNATIONAL COMPETITION OF VOCATIONAL TRAINING

Major General C. Lloyd	Director General of the City and Guilds of London Institute
Mr. D.E. Woodbine Parish C.B.E.	City and Guilds of London Institute
Mr. F.D. Hill, M.B.E.	City and Guilds of London Institute
Mr. P. D. Crofts	City and Guilds of London Institute
The Right Hon. Lord Strathclyde, P. C. President	President of the North of Scotland Hydro-Electric Board, Edinburgh
Mr. Douglas Johnston M.B.E.	Treasurer of the Treasury of the City of Glasgow, Britannic Society of the Red Cross.
Mr. T. R. Craig	President of Colvilles Ltd., Glasgow
Mr. Wm. Nicol, M.B.E.	Director of Craig-Nicol Ltd. Glasgow
Mr. R.I. Shanks	Director of Thermostat Ltd. Glasgow
Mr. D.W. Park	Deputy Director of Industrial Relations Department of Industrial Relations National Coal Board, Edinburgh
Mr. James Jack	General Secretary of the Scottish Syndical Congress
Mr. J.A. Diack, C.B.E.	Inspector of the Ministry of Labor Edinburgh
Mr. W.M. Bellantyne, C.B.E., M.V.O.	Scottish Information Office Edinburgh

Major-General J.E.C.
MacCandlish, C.B.,C.B.E.

Organizing Secretary
Scottish Electrical Training Scheme
Ltd. Glasgow

Mr. J.A.M. Mitchell,
C.V.O.,M.C.

Scottish Department of Education
Edinburgh

Dr. H. Stewart Mackintosh,
C.B.E.,M.A.,B.Sc.,Ed.B.,Ph.D.

Director of Education of Glasgow

Councillor George H. Moore

Member of the Board of Education
of Glasgow

Mr. T. Dewar

Rector of the Glasgow College of
Building

Mr. D. Sharkie, A.M.I. Mech.E.,
A.M.I. Prod.E.

Deputy Rector of Stow College of
Engineering, Glasgow.

COLLABORATING COMPANIES, CLUBS AND ORGANIZATIONS

Thanks to the collaboration and help lent by many companies, clubs and organizations, the XIV International Competition of Apprentices had an extraordinary brilliancy. As testimony of our appreciation, we are reproducing below, in alphabetical order, the names of these generous collaborators.

Adward Machine Tolls Ltd.
Admel International Ltd.
Aircraft Marine Products Ltd.
Airmed Ltd.
Allen West & Co. Ltd.
Allied Ironfounders Limited.
Allied Ironfounders Ltd. Scottish Gr.
Allea Twon Council
Amalgamated Electric Services Ltd.
Argull County Council-Education Com.
8th Battalion Argyll & Sutherland
Highlanders.
Arrow Electric Switches Ltd.

Carron Company
Catopillar Tractor Co., Ltd.
Cleveland Twist Drill Limited
Clyde Shipbuilder's Association
Clyde Bank Town Council
Clydesdale Bank Limited
J. & P. Coats Limited
Cockburns Limited
Colchester Lathe Co., Ltd.
William Collins, Son & Co., Ltd.
Colvilles Ltd.
Conventry Gauge & Co., Ltd.
J.A. Crabtree & Co. Ltd.
Cumbernauuld Development Corporation

Davy and United Engineering Company Ltd.
Danalson Brother (Allea 1937) Limited
James Dougall & Son Ltd.

Endimburg Corporation
Endimburg Univesity Union
F.J. Edwards Ltd.
The Electrical Contractor Association
The Electrical Contractor Association
Of Scotland
B. Elliot (Mahinery) Ltd.
The Engineering Employers Federation
English Electric Arc Welding Co., Ltd.
Euclid (Great Britain) Limited.

For anti Limited
Fullerton, Hodgart & Barclay Ltd.

The Gauge & Tool Manufactures Association.
G.E.C. (Installation Equipment) Ltd.
Gestoner Duplicators (B.S.O=) Limited
Gidding & Lewis-Fraser Ltd.
Giflox Conduits Ltd.
Glasgow Corporation
Glenfiel & Kennedy Limited
Grangemouth Twon Council

Babcock & Wilcox Ltd.
Mr. D. S. Baddoley
Balding Engineering Limited
Barr & Stroud Limited
Beloms Company Limited
B.M.C. (Scotland) Limited
Ben Nevis Distillery
Bennington Casting Limited
Anderson Beyer & Co., Ltd.
British Aircraft Corporation (Operating) Ltd.
British Furniture Manufactures
Association
British Gypsum Limited
British Insulated Callender's Cables Ltd.
British Linen Bank
British Oil & Cake Mills Ltd.
British Oxygen Co., Ltd.
Broom & Wade Ltd.
Brown Brothers & Co., Ltd.
Bruce Peebles & Co., Ltd.
Bruntons (Musselburgh) Ltd.
Buck & Hickman Ltd.
Burgh of East Kilbride
John Burn & Company (Birmingham) Ltd.
Montague Burton Limited.
1st Bataillon Cameronians (Scottish Rifles)

Alexander Hall & Son (Builders) Ltd.
Handy Anglo

The Harland Engineering Company Ltd.
Harland & Wolff Limited
J.J. Harvey & Pressurecast Ltd.
John Hastie & Co. Ltd.
Hawker Siddeloy Aviation, Avro Whitworth Division
Hollermann Limited
Alfred Herbert, Ltd.
Honeywell Controls Limited
Hoover Limited
V. Huffman Ltd.

I.B.M. United Kingdom Limited
Imperial Chemical Industries Ltd.
India Tryes Ltd.

The Jacobs Manufacturing Company Ltd.
Jones & Campbell Ltd.
A.A. Jones & Shipman Ltd.
Samuel Jones (Denoval) Ltd.
HOy Sullivan Ltd.

Kilmarnock Town Council
James Kilpatrick & Son Ltd.

James Laidlow & Son Ltd.
John Lang & Son Ltd.
John Lawrence (Glasgow) Ltd.
J. & T. Lawrie Limited
Lithgows Limited
London Electricity Board

McCorquedale & Co. Ltd.
McGregor & Balfour Ltd.
The Machine Tool Trade Association.
Marconi Instruments Ltd.
Massey-Ferguson Manufacturing Com.
Miller Insulation and Engineering, Limited.
James Millor & Partners Limited
The Mirrless Watson Company Limited.
Morphy-Richard (Astral) Ltd.
Mullar Limited
Murex Welding Processes.

The National Cash Register Company
(Manufacturing) Ltd.

National Coal Board (Scottish Division)
National Commercial Bank of Scotland, Limited.
National Engineering Laboratory
National Federation of Clay Industries
The National Federation of Plastering Contractors.
The National Steel Foundry (1914) Ltd.
The North British Steel Foundry Ltd.
North of Scotland Hydro Electric Board.

Samuel Osborn & Company Limited.

Paisley Town Council
Philips Electrical Limited
Pressed Steel Company Limited
Pyrotonax Limited

Rabone Chesterman Ltd.
The Radio Trades Examination Board
Rank-Bush Murphy Ltd.
The Reid Goard Co., Ltd.
Romington & Fisher Ltd.
Rools-Royce Ltd.
Rootes Motors Ltd.
The Royal Bank of Scotland
John Rutherford & Son Ltd.

The Scottish Constructor Company Ltd.
Scottish Co-operative Wholesale Society Limited Engineering and Allied Service Division
Scottish Engineering Employers Association.
Scottish Tar Distillers Ltd.
Sollotape Products Ltd.
Shanks & Co., Ltd.
The Singer Manufacturing Co., Ltd.
The Skofko Ball Bearing Company Ltd.
A & W. Smith & Company Limited
S. Smith & Sons (England) Ltd.
The Society of British Aerospace Companies Ltd.
South of Scotland Electricity Board
Stewarts and Lloyds Limited
Stirlingshire County Council
The Stone Firms Ltd.
Strathclyde University Student's Association.

Telephone Manufacturing Company Ltd.
Telquipment Ltd.

Thermotank Limited
Thorn Electrical Industries Ltd.
Toffelo Jackson & Co., Ltd.

Verdict Sale Company Ltd.
Vickers Limited Loco

James Walker & Co., Ltd.
Westclox Limited
Thomas White and Son Limited
Edwards Wilcox & Co., Ltd.
John Williams (Wishaw) Ltd.

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Barmulloch College of Further Education.
City of Bath Technical College
Bristol Technical College
Brixton School of Building
Brooklyn Technical College, Birmingham.

Central School of Art & Carfts
Charles Trevelyan College, Newcastle upon Tyne.
Carft Training Centre for the Foundry Industry. West Bromwich.

Dunstable College of Further Education.

East Ham Technical College

Falkirk Technical College

Garrett's Green Technical College, Birmingham.
Glasgow College of Building.

Hammersmith College of Art & Building

Leicester College of Art, Faculty of Building
Letchworth College of Technology
Liverpool College of Art
Liverpool College of Building
Longlands College of Further Education, Niddlesbrough
Luton College of Technology

Manchester College of Building
Mid-Herts College of Further Education
Wolwyn

National Foundry College. Wolverhampton

Popular Technical College.

Reid Kerr College, Paisley

St. Hellen's Technical College
Stow College of Engineering, Glasgow

Twickenham College of Technology

Willoosden Technical College.

DETAILS OF THE XIV COMPETITION

It would be impossible to reflect in these few pages each and every facet of the XIV Competition. Its technical, human, formational, cultural, artistic, etc., aspects were so numerous and varied that they could not be contained in a simple memorial booklet.

As a consequence, we shall limit ourselves to pointing out a series of relative notes about the celebration of the XIV Competition.

The XIV International Vocational Training Competition was held from the 11th to the 30th of July, 1965 at the Stow College of Engineering, Barmulloch College of Further Education and Glasgow College of Building, all of which are situated in Glasgow (United Kingdom).

The dates indicated refer to the three phases carried out at the Competition, as follows:

1st phase: from the 11th to the 16th of July

On the 11th of July the members of the General Secretariat and Representatives and Technical Experts from each of the participating countries arrived in Glasgow, all of whom carried out the following duties:

1. Designation of commissions in the fields of Mechanics, Metallurgics, Electricity, Construction, Woodwork and Artistic Trades, with the object of selecting the exercises for the competition among the proposals put forward by member countries.

2. Reproduction of plans and translation to the different languages of the scales of punctuation and instructions to the competitors and members of the jury of each trade.

3. Preparation of the materials and working places.

4. Meetings of the Technical Committee to determine the system of qualification which should be used in each of the trades convoked.

2nd phase: from the 17th to the 23rd of July

Arrival of the Official Representatives of the member countries and observers.

Arrival of the competitors.

On the 19th of July the XIV International Vocational Training Competition was inaugurated.

From the 20th to the 23rd, the competitors fulfilled the exercises set for the competition. During this time the Technical Representatives and Experts, co-ordinated by the General Secretariat, carried out their work in watching and safeguarding the work of the apprentices.

3rd phase: From the 24th to the 30th of July

1. Qualification on the part of the different commissions of the exercises fulfilled.

2. Program of visits arranged for all those attending.

3. Closing of the Competition of the delivery of the Trophies.

COUNTRIES AND ORGANIZATIONS REPRESENTED

Spain	National Youth Delegation
Portugal	Associação Portuguesa
Japan	Ministry of Labor
Germany	Official Chamber of Industry and Crafts- manship
Switzerland	St. Gallen School of Professional Training
Ireland	Ministry of National Education
Belgium	Ministry of Middle Classes
Holland	National Committee of Professional Formation
United Kingdom	London Institute of Arts and Trades
Italy	Ministry of Technical Instruction

OPENING OF THE CONTEST

On the 19th of July, the city of Glasgow, lead by it's mayor, received in the Town Hall, all the members of the Competition marking the solemn opening of the Competition.

To the music of their respective National Anthems, the competitors with their national flags entered into the great meeting room, where they were respectfully received by a thousand standing spectators.

The salutations and welcomes by the Secretary of State of Scotland, the Mayor of the city and the International President of the Competitions were received with loud applause.

The competitors, principal protagonists of this act, were the center of attention, and for them this attention was the best proof of the fond affection of the people.

This act opened the most original sportive competition, one in which intelligence, technique and ability prevail over any other quality.

RECREATIONAL AND CULTURAL PROGRAM

The Scottish Committee organized an ample cultural and recreational program, which included various receptions attended by the members, in which a great feeling of hospitality was generated. At the same time, all the participants in the Olympiad visited various parts of the region, fulfilling, therefore, one of the principal aims of the Competition, that of learning about the different ways of life in the various countries.

ACT OF CLOSING

Finally, the closing act of the competition maintained the same high standard which has made this competition unequalled in the history of the competitions. Many important personalities were present, among which we will only mention the Minister of Labor of the United Kingdom, who with his attendance made manifest the transcendancy which the XIV International Competition has had in the United Kingdom.

RULES OF THE GAME

The development of the tests, object of the Competition is governed by a series of rules set up by the Organizing Council through the General Secretariat; the competitors, Technical Experts and Juries must all follow these rules.

INSTRUCTION FOR TECHNICAL EXPERTS

We must remember that technical experts, as collaborators of the technical representatives of each country, are required to perform an important and far-reaching function of responsibility in the organization of workshop tests. A good deal of the success in tests and the qualifications of sa me, depends upon the enthusiasm and zeal given their work.

Thus the Office of the Secretary General issues the following ins tructions:

1st.- Prior to the first meeting of the Technical Committee, experts would have to be got to know their respective representative in the Co mmission upon whom they depend as well as the workshop principals of their particular specialization in order to interchange opinions about the organizing of the Competition.

Together with the workshop principals they must visit the premises, outbuilding, places of work, machinery, tools, etc. Thus they would acquire better judgement in the choice of exercises in accordance with means and instruments at their disposal at the various centres where the competi-- tion is to be hold.

The composition of the Commissions appears in the enclosuro.

2nd.- At the first meeting to be held by the Technical Committee, which all the experts will attend one should discuss those difficulties or deficiencies observed in installations, machinery, etc., an conclude what is best for the organization of tests.

3rd.- After the first meeting, the Commissions will be established to select the exercises from among those suggested and proposed by the different technical representatives of each country.

Standards imposed by the Secretary General's Office must figure in this list and be the following:

a) Objectivity.-- Only by considering the range and purpose of the Competition, attain the aforesaid objectivity will be assured. Thus prestige will be added to the Competition taking into account its significance in the national and international field.

b) Internationality.-- The tests to be elected must have a technical an professional character of their own in accordance with what the Com-- petition represents in the international field.

c) Facility of realization.-- We understand that this facility does not refer to the simple and elemental character of exercises chosen for the Competition, but only means that they must not offer great difficulties as regards the time involved in their realization, nor oblige the participants to employ technical methods not available at the momento nor contain com plications as to provisions adopted. The international character of the Com-- petition and its technical and professional prestige obliges to bear in mind these considerations.

The facility to which we refer must be taken into account for the preparation of materials, tools, utensils, machinery, accessories, measurements, verification, etc.

d) Clarity and good technical design.— The designs and drawings selected must be arranged with the greatest clarity and conform to current technical drawing specifications, that is to say, adjusted to DIN standards, adopted by our Organizing Council. Otherwise, the designers assigned to each Commission shall be requested to realize adjustments and corrections necessary for understanding them better.

4th.— The Commission shall assign a punctuation and qualification system for each test, always according to standards imposed by the Organizing Council. This system shall be translated into the specific languages of the contestants with copies of which shall be handed out to them.

5th.— Maximum times for completing the tests, not exceeding 35 hours at any time shall be established. Those time shall be clearly stated in the plane submitted to the general secretary's office, in accordance with dispositions contained in clause 9.

6th.— The selected exercises shall be urgently submitted to the Technical Committee for their definite approval in a plenary session, if possible at the first session.

7th.— The experts chosen for each specialization, together with the workshop principals of the Centre where the tests take place, shall commence the preparation of materials if possible the day following the selecting of exercises.

Those should be prepared, in their respective sizes, in such a way the contestant does not waste time in completing work unessential in evaluating his level of professional attainment. However, the method of preparing materials must not be of definite help to the contestant especially when applying to calculation facilities or others of a different type, product of the essential personal conditions of each participant.

8th.— The technical experts shall assure that the translation service of the Secretary General Office translates all technical terms figuring in the designs into the different languages.

9th.— Once all designs have been finished, they shall give a copy to the General Secretary to reproduce the number of copies needed for contestants. This copy of the chosen exercises shall be signed by the technical representative and experts, although in spite of adjustments or rectifications having been made.

10th.— After completing all the aforementioned, the technical experts shall contact the workshop principals in order to supervise the preparation of materials, instruments, tools, machinery, etc.

11th.— In accordance with the technical representatives they shall prepare working-places, endeavouring to separate them as much as possible to prevent the contestants from copying each other's work, and avoid complaints which only lead to errors at the moment of qualifying, followed by negative critics to the Technical Committee.

12th.- The places of work and the groups of materials as well as the machinery shall be conveniently numbered, prior to starting the tests, drawing lots in procense of the contestants to acquaint them with the drawing system.

13th.- In al proceeding the technical experts shall be most solli-
citous in not acting by themselves but always with the approval of the techni-
cal representatives charged with advising the Commissions to which they are
assigned.

14th.- After the inaugural act of the Competition, and in accordan-
ce with established time table, they shall accompany the contestants of their
assigned specializations to the workshops where lots will be drawn about the
places of work, material, machines, etc.

A certain time shall be allotted to contestants for study of the
drawings, examination of the machinery etc., in accordance with the Committee's
standards.

The work shall not commence until each Committee takes the corres-
ponding decisions.

15th.- The technical experts shall put down the hour the oxorcises
commenced to account for the exact amount of time taken by each contestants.
Naturally, they shall deduct the time lost by contestant owing to reasons alian
to their own will.

16th.- They shall put down in a book all incidences noticed by
them at each contestant during his work, sucha as professional ability, co--
rrect ways of working, fault in baxic methods, etc., to be taken into account
at qualifications.

17th.- If, for any reason, whatsoever, it were necessary to give
the contestants new material, it shall not be handed out without the authori-
zation of the respective technical representative.

18th.- During the work, the technical experts shall see to it
that the contestants keep order and discipline which, if not observed, could
be a reason for desqualification.

19th.- Contestants shall not be permitted to converse with any
persons other than those being members of the Organizing Council, unless au-
thorized to do so.

20th.- The different pieces or parts of the test shall be conven-
tionally numbered and marked as soon as the contestants begin with them. Tho-
se marks shall be frequently recorded to avoid possible errors, changes in the
saind pieces or parts of the test, possible substitutions, etc. etc.

21st.- At the close of each day of work, they shall oather the
tests, watch them in a way the think fit and emplo adequate security methods.
In no case any by no means, may the contestants take the test design handed
out of them at the beginning of test out of the workshops. They may take it
away them at the end of the competition if the weished.

22nd.- When the contestants have finished their work, it shall be qualified in accordance with standards and instructions given by the technical representative of each Commission.

23rd.- The technical experts shall report individually upon each test according to the data contained in the printed matter at their disposal.

24th.- Once verified, the qualifications shall be given together, with the test, to the Office of the Secretary General.

25th.- The technical experts shall try to avoid expressing their personal opinions about the contestants' work in their presence. These opinions shall only be expressed by the technical representatives.

26th.- They must not clarify any doubts the contestants may have about the designs of the tests. If an explanation were necessary, it must be made without the authorization and approval of the respective technical representative.

Glasgow, July 1965
the General Secretary

INSTRUCTION TO CONTESTANTS

To ensure that everything runs smoothly, contestants are issued with the following general rules giving them details of how the test are organized.

1st.- The Technical Committee will allow you a certain time in which to study your drawing. Study it carefully. If you do not understand the wording on the drawing and if there is no separate sheet giving instructions in your own language, please ask for a translation. At no time must you take the drawing away from the workshop; at the end of each day's work you are to hand it to the Technical Representative in charge.

2nd.- Try to present when lots are drawn for materials, working bench and equipment, etc. and get acquainted with the layout.

3rd.- Do not start your work until asked to do so. Your time will be noted by the Technical Representative of your particular trade. If you wish you can look at his notes and see how long you are taking to do your work.

4th.- Your entry will be given a number. Check this constantly. You must make sure that all parts of your work are marked with this number.

5th.- Check your materials carefully before starting work - this may save you from making mistakes.

6th.- If you have not brought enough tools or measuring instruments you may ask for more and they will be given to you immediately.

7th.- Compare your measuring instruments with those of the Jury who will be judging your work.

8th.- While you are in the workshop do not speak with anyone unless he is a member of the Competition Organizing Committee.

9th.- If you spoil any of your materials ask the Technical Representative of your trade for more and he will get them for you.

10th.- Study the marking scheme and arrange your working time to coincide with the maximum time you are allowed to finish the work.

SCALES OF POINTS

On page 62 of the Section on Acts, are found the characteristics of the scoring of the trades. The study and selection of these scales caused many discussions in the Technical Committee and the Organizing Council. In the scales, a perfection in the completion of work was looked for as well as a preeminence of those nuances which are fundamental in each trade.

QUALIFICATIONS

Once the exercises are finished by the competitors, they will remain in the hands of the juries, who will during many hours analyze the exercises done and will score them one by one in accordance with the scale of scores which was previously made known to all, competitors and examiners alike.

The measurements, general finish, joints, riveting, unlays, interpretation of plans, time employed, etc., will result in a total number of points which will point out the grade of perfection obtained, thus accrediting to the competitors the trophies which they justly merit.

(See Qualification, pg. 84)

THE COMPETITION IN NUMBERS

Mathematics can make manifest many aspects which are implicit in literary texts and which are necessary to figure out.

Following we offer a collection of statistics which we believe will be of great interest to all. Such is the importance which we give it, that the major part of this booklet is devoted to them.

DETAILS OF THE TECHNICAL EXPERTS OF THE QUALIFYING COMMISSIONS AND CHIEF OF THE WORKSHOPS

BRANCH	TRADE	Principals of the workshops and materials	CHIEF OF THE WORKSHOPS
MECHANIC	Turning "A" Turning "B" Milling	W. Muir	T. Wilson J. Cochrane S. Boal
	P. Tool Making Fitting "A" Fitting "B"	G. Hurst	H. Clarke J. Thomson R. Gibbons
	Drawing	A. Copland	(A. Copland)
ELECTRICITY	H. Wiring "A" H. Wiring "B"	R. Dalziel	J. Dalling R. Macquiro P. O'Sullivan
	Radio & TV	W. Buchanan	F. Christie
ARTS TESTS	Jewellery Silversmithing	G. Jones	H. Ballantyno (G. Jones)
METALLURGY	Gas Welding Electric Welding Panel Beating S. Metal Work	A. Gault	R. McRitchie W. Hughes E. Topping A. Stuart
	F. Moulding Wood Pattern M. C. Steel Work	A. Money	N. Lancaster A. Cunningham J. Morrison
WOOD	Cabinet Making Joinery "A" Joinery "B"		Cruikshanks Murray Murray

JURIES BY BRANCHES AND TRADES

TRADES	TECHNICAL REPRESENTATIVES	EXPERTS
Fitting	Ghodini (Italy) Miró (Spain)	Benasi (Italy) Ziolinski (Germany)
Machine Drawing		Paradisi (Italy) Schurch (Switzerland)
Tool Carving		Pociña (Spain)
Turning		Brown (U. Kingdom) Steurbart (Belgium)
Milling		Rossiter (Ireland)
Foundry Moulding	Tomida (Japan) Woerner (Germany) Gomes (Portugal)	Pago (U. Kingdom)
Wood Pattern Making		MacCarthy (Ireland)
C. Steel Work		Menkveld (Ireland) Santos (Portugal)
Gas Welding		Miró (Spain)
Electric Welding		Bolton (Ireland)
Panel Boating		Ikeda (Japan)
Sheet Metal Work		Serrano (Spain)
Industrial Elec.	Raspe (Germany)	Potter (U. Kingdom) Pellacani (Italy)
House Wiring		Nispel (Germany)
Radio & TV		Yoshikawa (Japan) Ramalho (Portugal) Lanssens (Belgium)
Stone Carving	Vastiau (Belgium)	Ryser (Switzerland) Clarke (U. Kingdom)
Bricklaying		Müller (Germany)

TRADES	TECHNICAL REPRESENTATIVES	EXPERTS
Painting	Hamer (Holland)	Istace (Belgium) Coomon (Holland)
Plumbing		Boden (Belgium) Van Rhijn (Holland)
Cabinet Making	Powor (Ireland)	Glosener (Luxemburg) Bustillo (Spain)
Carpentry		Kyanuma (Japan) Dies (Portugal)
Joinery		Scholz (Germany) Mc. Grenera (Ireland)
Jewellery		Loosli (Switzorkand)
Silvermithing		Auld (Switzorland)
Plasterwork	Same as Building	Clarko (U. Kingdom)
Shoe Making		Arrambarri (Spain)
Tailoring		Noseda (Belgium)
Heating & Vent.		Van der Vilt (Holland)
Instrument Mak.		(United Kingdom)

COMPETITORS BY COUNTRIES

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COUNTRIES	COMPETITORS	OUT COMPETITION	TOTAL
United Kingdom	28	8	36
Ireland	28	-	28
Spain	26	2	28
Germany	26	-	26
Japan	19	-	19
Portugal	18	-	18
Holland	16	2	18
Belgium	17	1	18
Italy	13	-	13
Switzerland	9	-	9
TOTALS	200	13	213

TRADES CONVOKED AND THE NUMBER OF PARTICIPANTS IN EACH ONE

BRANCHES	TRADES	Germany	Belgium	Spain	Holland	Ireland	Italy	Portugal	U.Kingdon	Switzerl.		TOTALS	
												By tra des	By bran chos
MECHANIC	Fitting A	x		x	x	x	x	x	x	x		8	
	Fitting B	x		x		x	x		x	x	x	6	
	Machine Drawing	x		x		x	x		x	x	x	8	
	Tool Carving	x		x	x	x	x	x	x	x	x	9	53
	Turning A	x	x	x	x	x	x	x	x	x		9	
	Turning B	x	x	x		x	x			x		6	
	Milling	x		x		x	x	x	x	x		7	
METALLURGY	Foundry Moulding			x		x		x		x		4	
	Wood Pattern M.	x		x	x	x	x	x	x	x		8	
	C. Steel Work	x		x	x	x		x	x	x		7	
	Gas Welding	x		x		x	x	x	x	x		7	45
	Electric Welding	x		x	x	x		x	x	x		7	
	Panel Boating		x	x		x		x		x		5	
	Shoot Metal W.	x		x	x	x		x	x	x		7	
ELECTRICITY	Industrial Elec.	x	x	x		x	x	x	x	x		8	
	House Wiring A	x	x	x		x	x	x	x	x		8	
	House Wiring B	x	x	x		x	x			x		6	27
	Radio & TV	x	x					x	x	x		5	
WOOD	Cabinet Making A	x	x	x	x	x		x	x	x	x	9	
	Cabinet Making B	x	x	x		x					x	5	
	Carpentry	x	x		x	x		x	x	x		7	34
	Joinery A	x	x	x	x	x		x	x	x	x	9	
	Joinery B		x	x		x					x	4	
ART TESTS	Jewellery	x	x	x	x	x	x			x	x	8	
	Silversmithing	x		x						x		3	11
	Shoe-Making			2	x							3	
	Tailoring		x		x							2	
	Instrument M.									2		2	13
	Heating and V.									6		6	
TOTALS		26	18	28	18	28	13	19	18	36	9	213	213

TESTS PROPOSED BY THE MEMBER COUNTRIES AND MENTION OF THOSE SELECTED BY

THE DIFFERENT COMMISSIONS

TRADES	Germany	Belgium	Spain	Holland	Ireland	Italy	Japan	Portugal	U. Kingdom	Switzerland	TOTALS proposed by trades
Fitting A	0	x	x		x	x	x		x	x	8
Fitting B	x	x	0		x	x			x		6
Machine Drawing						0	0		x		3
Tool Carving			0		x	x	x		x	x	6
Turning A	x	x	x	x	0		x		x		7
Turning B	x	x	x		x	0			x		6
Milling			x			x	x		0		4
Foun. Moulding									0		1
Wood Pattern			x			x	x		0		4
C. Steel Work	x		x	0			x		x		5
Gas Welding			x		0		x		x		4
Electric Welding			0		0		x	x	x		5
Panel Beating			x				0		x		3
Sheet Metal W.			x		x		0		x		4
Inds. Electri.	x				x	x	0		x		5
House Wiring A	x				x		x		0		4
House Wiring B					0				x		2
Radio & TV	x						x		0		3
Stone Cutting				x					x	0	3
Bricklaying				x	x				0	x	4
Painting		0		x	x				0		4
Plumbing			x	x	0		x		x		5
Plasterwork				x					0		2
Cabinet Making A	0		x		x		x		x	x	6
Cabinet Making B			x		0					x	3
Carpentry				x	0		x		x		4
Joinery A			0	x	x		x		x		5
Joinery B			x		0				x		3
Jewellery						x			0	x	3
Silversmithing									0		1
Tests proposed	9	5	17	9	19	9	18	1	29	7	123
Tests selected	2	1	4	1	8	2	4	-	10	1	33

MEDALS OBTAINED BY THE PARTICIPATING COUNTRIES

COUNTRIES	Compe- titors	M E D A L S			Honry men- tions	T O T A L S	
		GOLD	SILVER	BRONZE		Medals	Mentions
Germany	26	3	5	8	2	16	2
Belgium	17	1	2	1	2	4	2
Spain	26	4	5	1	1	10	1
Holland	16	3	-	4	2	7	2
Ireland	28	1	3	6	2	10	2
Italy	13	-	2	-	2	2	2
Japan	19	6	5	2	2	13	2
Portugal	18	2	1	k	-	4	-
U. Kingdom	28	9	5	5	2	19	2
Switzerland	9	2	2	1	-	5	-
TOTALS	200	31	30	29	15	90	15

ANALYSIS OF THE WINNERS OF GOLD MEDALS BY COUNTRIES

= = = = =

UNITED KINGDOM (9)

Turning A	81,15
Turning B	87,48
Foundry Moulding	92,65
Wood Pattern M.	93,20
House Wiring A	97,40
House Wiring B	96,50
Stone Cutting	86,10
Painting	85,00
Silversmithing	86,50
	805,98 : 9 = 89,553

JAPAN (6)

Drawing	81,50
Milling	87,60
Panel Boating	80,50
Sheet Metal Work	89,25
I. Electricity	92,30
Radio & Tv.	94,65
	525,80 : 6 = 87,633

SPAIN (4)

Fitting A	96,28
Electric Welding	85,20
Gas Welding	76,20
Panel Boating	81,30
	338,98 : 4 = 84,745

GERMANY (3)

Fitting B	91,07
Cabinet Making B	83,25
Jewellery	85,75
	260,07 : 3 = 86,690

HOLLAND (3)

Tool Carving	74,02
Plumbing	73,99
Plasterwork	84,22
	232,23 : 3 = 77,410

SWITZERLAND (2)

Cabinet Making A	81,25	
Joinery B	88,75	
	170,00	: 2 = 85,000

PORTUGAL (2)

C. Steel Work	76,98	
Carpentry	76,50	
	153,48	: 2 = 76,740

IRELAND (1)

Joinery A	92,99
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BELGIUM (1)

Bricklaying	85,45
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TOTAL GOLD MEDALS : 31
TOTAL MARKS: 2.664,98 : 31
AVERAGE MARKS : 85,967

ANALYSIS OF THE WINNERS OF SILVER MEDALS BY COUNTRIES

= = = = =

GERMANY (5)

Turning B	75,66
Industrial Electricity	91,50
Stone Cutting	85,60
Painting	79,15
Silversmithing	76,50
	408,41 : 5 = 81,682

SPAIN (5)

Fitting B	88,60
Machine Drawing	81,00
Tool Carving	72,95
Sheet Metal Work	83,40
Cabinet Making B	80,15
	406,10 : 5 = 81,220

JAPAN (5)

Fitting A	82,48
Turning A	78,75
Wood Pattern Making	87,75
Gas Welding	78,40
Cabinet Making	77,00
	404,38 : 5 = 80,876

UNITED KINGDOM (5)

Constructional Steel W.	72,90
Electric Welding	73,90
Bricklaying	80,55
Plasterwork	82,18
Panel Boating	59,50
	369,03 : 5 = 73,806

IRELAND (3)

Foundry Moulding	85,60
House Wiring A	93,30
Joinery B	77,90
	256,80 : 3 = 85,600

SIWTZERLAND (2)

Joinery A	83,15	
Jewellery	81,10	
	164,25	: 2 = 82,125

ITALY (2)

Milling	69,92	
House Wiring	90,40	
	160,32	: 2 = 80,160

BELGIUM (2)

Plumbing	68,60	
Carpentry	75,10	
	143,70	: 2 = 71,850

PORTUGAL (1)

Radio & TV	94,65	
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TOTAL SILVER MEDAL : 30
TOTAL MARKS : 2.407,64 : 30
AVERAGE MARKS : 80,254

ANALYSIS OF THE WINNERS OF BRONZE MEDALS BY COUNTRIES

= = = = =

SPAIN (1)

House Wiring B 88,40

JAPAN (2)

Foundry Moulding 81,15

House Wiring A 88,20

169,35 : 2 = 84,675

HOLLAND (4)

Foundry Moulding 77,50

Stone Cutting 84,85

Painting 77,90

Jewellery 74,00

314,25 : 4 = 78,562

SWITZERLAND (1)

Cabinet Making B 78,00

GERMANY (8)

Machine Drawing 67,50

Tool Carving 67,64

Turning A 68,08

C. Steel Work 72,74

Bricklaying 77,87

Plasterwork 64,80

Cabinet Making A 76,55

Joinery A 80,46

575,64 : 8 = 71,955

IRELAND (6)

Fitting A 82,20

Fitting B 81,79

Turning B 74,18

Gas Welding 67,90

Panel Beating 56,60

Carpentry 66,00

428,67 : 6 = 71,445

BELGIUM (1)

Joinery B	69,95
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PORTUGAL (1)

Gas Welding	69,40
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UNITED KINGDOM (5)

Milling	53,51
Sheet Metal Work	66,90
Industrial Electricity	84,25
Radio & TV	69,01
Plumbing	67,33
	341,00 : 5 = 68,200

TOTAL BRONZE MEDALS : 29
TOTAL MARKS : 2.134,66 : 30
AVERAGE MARKS : 73,60

ANALYSIS OF THE WINNERS OF MENTION OF HONRY BY COUNTRIES

= = = = =

ITALY (2)

Foundry Moulding	71,45
House Wiring A	86,90
	158,35 : 2 = 79,175

GERMANY (2)

Gas Welding	65,80
House Wiring B	86,55
	152,35 : 2 = 76,175

IRELAND (2)

C. Steel Work	72,12
Cabinet Making B	76,30
	148,42 : 2 = 74,210

UNITED KINGDOM (2)

Fitting B	78,43
Jewellery	69,50
	147,93 : 2 = 73,965

HOLLAND (2)

Fitting A	82,12
Carpentry	65,00
	147,12 : 2 = 73,965

SPAIN (1)

Turning B	70,95
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BELGIUM (2)

Painting	76,50
Plasterwork	64,48
	140,98 : 2 = 70,490

JAPAN (2)

Cons. Steel Work	70,02
Gas Welding	67,00
	137,02 : 2 = 68,510

TOTAL MENTION OF HONRY : 15
TOTAL MARKS : 1.103,12 : 15
AVERAGE MARKS : 73,54

NUMBER OF COMPETITORS IN EACH TRADE, POINTS OBTAINED BY THEM AND
THE CORRESPONDING PER CENT

MECHANIC COMPETITORS TOTAL POINTS PER CENT

Fitting A	8	564,74	70,59
Fitting B	6	447,25	74,54
Machine Drawing	8	501,40	62,67
Tool Carving	9	341,36	37,92
Turning A	9	518,02	57,55
Turning B	6	433,42	72,23
Milling	7	402,16	57,45

TOTAL AVERAGE	53	3.208,35	60,53
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METALLURGY

Foundry Moulding	4	321,40	80,35
Wood Pattern Making	8	569,05	71,13
Const. Steel Work	7	494,01	70,57
Gas Welding	7	464,90	66,41
Electric Welding	7	448,80	64,11
Panel Beating	5	300,40	60,08
Sheet Metal Work	7	335,05	47,86

TOTAL AVERAGE	45	2.933,61	65,18
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ELECTRICITY

Industrial Electricity	8	579,85	72,48
House Wiring A	8	644,90	80,61
House Wiring B	6	497,20	82,86
Radio & TV	5	340,04	68,00

TOTAL AVERAGE	27	2.061,99	76,37
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BUILDING

Stone Cutting	5	388,10	77,62
Bricklaying	6	436,17	72,69
Painting	7	444,56	63,50
Plumbing	6	362,61	60,43
Plasterwork	6	384,40	64,06

TOTAL AVERAGE	30	2.015,84	67,19
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WOOD	Competitors	TOTAL POINTS	PER CENT
Cabinet Making A	9	578,10	64,23
Cabinet Making B	5	379,10	75,82
Carpentry	7	469,22	67,03
Joinery A	9	653,41	72,60
Joinery B	4	252,90	63,22
TOTAL AVERAGE	34	2.332,73	68,60
ART TESTS			
Jewellery	8	533,50	66,68
Silversmithing	3	206,50	68,83
TOTAL AVERAGE	11	740,00	67,27
TOTALS	200	13.292,52	66,46

CLASSIFICATION OF COUNTRIES BY BRANCHES OF PRODUCTION

BRANCHES	Competitors	Points	Per cent
<u>MECHANIC</u>			
Spain	7	523,37	74,76
Holland	3	216,01	72,00
United Kingdom	7	485,66	69,38
Germany	7	479,08	68,44
Japan	5	330,33	66,06
Ireland	7	393,27	56,18
Portugal	5	267,05	53,41
Italy	7	335,11	47,87
Switzerland	3	118,10	39,36
Belgium	2	60,37	30,18
TOTALS	53	3.208,35	60,53
<u>METALLURGY</u>			
Japan	7	554,07	79,15
Spain	7	519,13	74,16
United Kingdom	7	513,15	73,20
Ireland	7	447,67	63,95
Italy	2	127,75	63,87
Germany	5	280,14	56,02
Portugal	5	267,78	53,55
Holland	4	201,42	50,35
Belgium	1	22,50	22,50
TOTALS	45	2.933,61	65,19
<u>ELECTRICITY</u>			
Japan	3	275,15	91,71
United Kingdom	4	347,16	86,79
Spain	3	242,95	80,98
Italy	3	242,95	80,98
Germany	4	319,30	79,82
Ireland	3	235,80	78,60
Portugal	3	175,36	58,45
Belgium	4	224,27	56,06
TOTALS	27	2.061,99	76,37
<u>BUILDING</u>			
United Kingdom	5	401,16	80,23
Holland	5	387,84	77,56
Germany	4	307,42	76,86
Belgium	4	295,03	73,75
Ireland	5	297,16	59,53
Japan	1	56,33	56,33
Switzerland	1	54,59	54,59
Spain	3	145,39	48,48
Portugal	2	70,55	35,27
TOTALS	30	2.015,84	67,19

BRANCHES	Competitors	Points	Per cent
<u>WOOD</u>			
Switzerland	4	331,15	82,78
Ireland	5	381,44	76,28
Germany	4	303,06	75,76
Portugal	3	215,95	71,98
Japan	3	202,99	67,66
Holland	3	199,84	66,61
United Kingdom	3	184,14	61,38
Spain	4	237,04	59,26
Belgium	5	277,12	55,42
TOTALS	34	2.332,73	68,60
<u>ART TESTS</u>			
Germany	2	162,25	81,12
Switzerland	1	81,10	81,10
United Kingdom	2	156,00	78,00
Holland	1	74,00	74,00
Italy	1	59,45	59,45
Spain	2	109,05	54,52
Belgium	1	49,65	49,65
Ireland	1	48,50	48,50
TOTALS	11	740,00	67,27
GENERAL TOTALS	200	13.292,52	66,46

GENERAL QUALIFICATION AND CORRESPONDING PER CENT RATING IN
EACH TRADE CONVOKED IN THE XIVth COMPETITION

TRADES	COMPETITORS	PER CENT	TOTAL POINTS	N.F.
1st. House Wiring B	6	82,86	497,20	
2nd. House Wiring A	8	80,61	644,90	
3rd. Foundry Moulding	4	80,35	321,40	
4th. Stone Cutting	5	77,62	388,10	
5th. Cabinet Making B	5	75,82	379,10	
6th. Fitting B	6	74,54	447,25	
7th. Bricklaying	6	72,69	436,17	
8th. Joinery A	9	72,60	653,41	
9th. Ind. Electricity	8	72,48	579,85	
10th. Turning B	6	72,23	433,42	
11th. Wood Pattern Making	8	71,13	569,05	
12th. Fitting A	8	70,57	564,74	
13th. C. Steel Work	7	70,57	494,01	
14th. Silversmithing	3	68,83	206,50	
15th. Radio & TV	5	68,00	340,04	
16th. Carpentry	7	67,03	469,22	
17th. Jewellery	8	66,68	533,50	
18th. Gas Welding	7	66,41	464,90	
19th. Cabinet Making A	9	64,23	578,10	 1
20th. Electric Welding	7	64,11	448,80	
21st. Plasterwork	6	64,06	384,40	
22nd. Painting	7	63,50	444,56	 1
23rd. Joinery B	4	63,22	252,90	
24th. Machine Drawing	8	62,67	501,40	
25th. Plumbing	6	60,43	362,61	
26th. Panel Beating	5	60,08	300,40	
27th. Turning A	9	57,55	518,02	 1
28th. Milling	7	57,45	402,16	
29th. Sheet Metal Work	7	47,86	335,02	 2
30th. Tool Carving	9	37,92	341,36	 4
200		66,46	13.292,52	9

N.F. = No finished

AVERAGE CLASSIFICATION BY BRANCHES
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<u>Branches</u>	<u>Competitors</u>	<u>Total points</u>	<u>Per cent</u>	<u>W.Q.</u>
1st. Electricity	27	2.061,99	76,37	-
2nd. Wood	34	2.332,73	68,60	1
3rd. Art Tests	11	740,00	67,27	-
4th. Building	30	2.015,84	67,19	1
5th. Metallurgy	45	2.933,61	65,19	2
6th. Mechanic	53	3.208,35	60,53	5
	200	13.292,52	66,46	9

W.Q. = Without qualification

COMPARATIVE EXAMINATION OF COMPETITORS AND MEDAL RECEIVED BY EMER COUNTRIES
IN THE XIITH AND XIVTH COMPETITIONS (Lisbon-Glasgow).

COUNTRIES	Compe- titors		GOND		SILVER		BRONZE		Mention of Henry		T O T A L E S			
	64	65	64	65	64	65	64	65	64	65	Medals		Mentions	
Germany	20	26	2	3	2	5	7	8	3	2	11	16	3	2
Belgium	19	17	1	1	1	2	1	1	2	2	3	4	2	2
Denmark	1	-	-	-	-	-	-	-	-	-	-	-	-	-
France	26	26	4	4	6	5	9	1	3	1	19	10	3	1
Holland	14	16	3	3	3	-	-	4	3	2	6	7	3	2
Ireland	21	28	2	1	2	3	5	6	4	2	9	10	4	2
Italy	11	13	-	-	1	2	3	-	3	2	4	2	3	2
Japan	17	19	12	6	4	5	-	2	1	2	16	13	-	2
Luxembourg	6	-	1	-	2	-	-	-	-	-	3	-	-	-
Portugal	27	18	5	2	5	1	6	1	2	-	16	4	2	-
U. Kingdom	28	28	8	9	5	5	2	5	4	2	15	19	4	2
Switzerland	9	9	3	2	2	2	2	1	2	-	7	5	2	-
TOTALS	199	200	41	31	33	30	35	29	26	15	109	90	26	15

COMPARATIVE ANALYSIS OF THE FIRST CLASSIFICATION OF GOLD MEDAL
WINNERS OBTAINED IN THE COMPETITION XIIIITH AND XIVTH (Lisbon-
Glasgow)

COUNTRIES	Gold Medal		Total points		Per cent	
	1964	1965	1964	1965	1964	1965
U. Kingdom	8	9	633,58	805,98	79,20	89,55
Japan	12	6	1.053,77	525,80	87,80	87,63
Germany	2	3	161,41	260,07	80,70	86,69
Spain	4	4	335,22	338,98	83,80	84,74
Holland	3	3	252,31	232,23	84,10	77,41
Switzerland	3	2	250,10	170,00	83,36	85,00
Portugal	5	2	404,52	153,48	80,90	76,74
Ireland	2	1	146,00	92,99	73,00	92,99
Belgium	1	1	83,60	85,45	83,60	85,45
Luxemburg	1	-	93,80	-	93,80	-
TOTALS	41	31	3.414,31	2.664,98	83,27	85,96

COMPARATIVE ANALYSIS OF THE SECOND CLASSIFICATION OF SILVER MEDAL
WINNER IN THE COMPETITIONS XIIIITH AND XIVTH (Lisbon-Glasgow)

COUNTRIES	Silver medal		Total points		Per cent	
	1964	1965	1964	1965	1964	1965
Germany	2	5	152,78	408,41	76,39	81,68
Spain	6	5	466,37	406,10	77,73	81,22
Japan	4	5	308,25	404,38	77,05	80,87
U. Kingdom	5	5	402,63	369,03	80,52	73,80
Ireland	2	3	165,50	256,80	82,75	85,60
Switzerland	2	2	161,30	164,25	80,65	82,12
Italy..	1	2	79,44	160,32	79,44	80,16
Belgium	1	2	76,30	143,70	76,30	71,85
Portugal	5	1	377,34	94,65	75,46	94,65
Holland	3	-	222,88	-	74,29	-
Luxemburg	2	-	149,78	-	74,89	-
TOTALS	33	30	2.562,57	2.407,64	77,65	80,25

COMPARATIVE EXAMINATION OF THE THIRD CLASSIFICATION OF BRONZE MEDAL
WINNERS IN THE COMPETITIONS XIIITH AND XIVTH (Lisbon-Glasgow)

COUNTRIES	Bronze medal		Total points		Per cent	
	1964	1965	1964	1965	1964	1965
Germany	7	8	494,20	575,64	70,61	71,95
U. Kingdom	2	5	141,80	341,00	70,90	68,20
Ireland	5	6	380,80	428,67	76,16	71,44
Holland	-	4	-	314,25	-	78,56
Japan	-	2	-	169,35	-	84,67
Spain	9	1	625,80	88,40	69,53	88,40
Switzerland	2	1	144,05	78,00	72,02	78,00
Belgium	1	1	72,25	69,95	72,25	69,95
Portugal	6	1	445,47	69,40	74,24	69,40
Italy	3	-	214,20	-	71,40	-
TOTALS	35	29	2,518,57	2.134,66	71,95	73,60

COMPARATIVE ANALYSIS OF THE WINNERS OF HONRY MENTION IN THE
COMPETITIONS XIIIITH AND XIVTH (Lisbon-Glasgow)

COUNTRIES	Honry Mention		Total points		Per cent	
	1964	1965	1964	1965	1964	1965
Italy	3	2	197,69	158,35	65,89	79,17
Germany	3	2	202,95	152,35	67,65	76,17
Ireland	4	2	263,66	148,42	65,91	74,21
U. Kingdom	4	2	293,20	147,93	73,30	73,96
Holland	3	2	185,36	147,12	61,78	73,56
Belgium	3	2	185,36	147,12	61,78	73,56
Japan	-	2	-	137,02	-	68,51
Spain	3	1	219,20	70,95	73,06	70,95
Portugal	2	-	135,02	-	67,50	-
Switzerland	2	-	126,56	-	63,28	-
TOTALS	27	15	1.851,80	1.103,12	68,58	73,54

COMPARATIVE FACTS OF THE PARTICIPANTS IN EACH TRADE; TOTAL POINTS OBTAINED IN EACH OF THEM AND THE CORRESPOND PER CENT RATING IN THE XIIIITH AND XIVTH COMPETITIONS (Lisbon-Glasgow)

TRADE	1964 -- LISBON			1965 -- GLASGOW			Differences 1965		
	Total comp.	Total points.	Per cent	Total comp.	Total points.	Per Cent	comp.	points.	Per cent
<u>MECHANIC</u>									
Fitting A	9	516,96	64,62	8	564,74	70,59	-	+	+
Fitting B	10	566,01	56,60	6	447,25	74,54	-	-	+
M. Drawing	8	491,70	70,24	8	501,40	62,67	=	+	-
Tool Carving	4	274,26	68,56	9	341,36	37,92	+	+	-
Turning A	9	517,62	57,51	9	518,02	57,55	=	+	+
Turning B	8	509,44	63,68	6	433,42	72,23	-	-	+
Milling	6	359,53	59,92	7	402,16	57,45	+	+	-
<u>METALLURGY</u>									
F. Moulding	5	399,06	79,81	4	321,40	80,35	-	-	+
Wood Pattern	8	518,82	74,11	8	569,05	71,13	=	+	-
Forging	2	146,94	73,47	-	-	-			
C.Steel Work	6	430,35	71,72	7	494,01	70,57	+	+	-
Gas Welding	7	437,78	72,96	7	464,90	66,41	=	+	-
Ele. Welding	7	535,93	76,56	7	448,80	64,11	=	-	-
P. Beating	5	296,40	59,28	5	300,40	60,08	=	+	+
Sheet Metal W.	5	302,31	75,57	7	335,05	47,85	+	+	-
<u>ELECTRICITY</u>									
In. Electricity	7	623,40	89,05	8	579,85	72,48	+	-	-
House Wiring A	8	536,39	76,62	8	644,90	80,61	=	+	+
House Wiring B	4	317,99	79,49	6	497,20	82,86	+	+	+
Radio & TV	3	170,00	56,66	5	340,04	68,00	+	+	+
<u>BUILDING</u>									
Stone Cutting	6	398,75	66,45	5	388,10	77,62	-	-	+
Bricklaying	8	595,97	74,49	6	436,17	72,69	-	-	-
Painting	7	478,90	68,41	7	444,56	63,50	=	-	-
Plumbing	6	429,15	71,52	6	362,61	60,43	=	-	-
Plasterwork	-	-	-	6	384,40	64,06	=	-	-
<u>WOOD</u>									
Cabinet M.A	8	547,05	68,38	9	578,10	64,23	+	+	-
Cabinet M.B	8	344,70	68,94	5	379,10	75,82	-	+	+
Carpentry	7	438,58	73,09	7	469,22	67,03	=	+	-
Joinery A	6	431,30	71,88	9	653,41	72,60	+	+	+
Joinery B	7	460,70	65,91	4	252,90	63,22	+	-	-
<u>ART TESTS</u>									
Jewellery	8	445,70	63,67	8	533,50	66,68	=	+	+
Silversmithing	4	282,00	70,50	3	206,50	68,83	-	-	-
TOTALS	199	13.035,94	65,50	200	13.292,52	66,46	+	+	+

CLASSIFICATION, GENERAL SCORING AND PER CENT RATING IN EACH OF
THE TRADES CONVOKED IN THE XIIITH AND XIVTH COMPETITIONS
(Lisbon-Glasgow)

Classification		Trades	Competitors		Total marks		Per cent		W.Q.	
1964	1965		1964	1965	1964	1965	1964	1965	64	65
1st.	9th	I. Electricity	7	8	623,40	579,85	89,05	72,48	-	-
2nd.	3rd	Foundry Moulding	5	4	399,06	321,40	79,81	80,35	-	-
3rd.	1st	House Wiring B	4	6	317,99	497,20	79,49	82,86	-	-
4th.	-	Wood Carving	3	-	232,25	-	77,41	-	-	-
5th.	2nd	House Wiring A	8	8	536,30	644,90	76,62	80,61	1	-
6th.	20th	Electric Welding	7	7	535,93	448,80	76,56	64,11	-	-
7th.	29th	Sheet Metal Work	5	7	302,31	335,05	75,57	47,86	1	2
8th.	9th	Bricklaying	8	6	595,27	436,17	74,49	72,69	-	-
9th.	11th	Wood Pattern Making	8	8	518,82	569,05	74,11	71,13	1	-
10th.	-	Forging	2	-	146,94	-	73,47	-	-	-
11th.	16th	Carpentry	7	7	438,58	469,22	73,09	67,03	1	-
12th.	18th	Gas Welding	7	7	437,78	464,20	72,96	66,41	1	-
13th.	8th	Joinery A	6	9	431,30	653,41	71,88	72,60	-	-
14th.	13th	C. Steel Work	6	7	430,35	494,01	71,72	70,57	-	-
15th.	25th	Plumbing	6	6	429,15	362,61	71,52	60,43	-	-
16th.	14th	Silversmithing	4	3	282,00	206,50	70,50	68,83	-	-
17th.	24th	Machine Drwawing	8	8	491,70	501,40	70,24	62,67	1	-
18th.	5th	Cabinet Making B	8	5	344,70	379,10	68,94	75,82	3	-
19th.	30th	Tool Carving	4	9	274,26	341,36	68,54	37,92	-	4
20th.	22th	Painting	7	7	478,90	444,56	68,41	63,50	-	1
21st.	19th	Cabinet Making A	8	9	547,05	578,10	68,38	64,23	-	1
22nd.	4th	Stone Cutting	6	5	398,75	388,10	66,45	77,62	-	-
23rd.	23rd	Joinery B	7	4	460,70	252,90	65,91	63,22	-	-
24th.	12th	Fitting A	9	8	516,96	564,74	64,62	70,59	1	-
25th.	10th	Turning B	8	6	509,05	578,10	68,38	64,23	-	1
26th.	17th	Jewellery	8	8	509,44	433,42	63,68	72,23	-	-
27th.	28th	Milling	6	7	296,40	402,16	59,92	57,45	-	-
28th.	26th	Panel Beating	5	5	296,50	300,50	59,28	60,08	-	-
29th.	27th	Turning A	9	9	517,00	518,02	57,51	57,55	-	1
30th.	15th	Radio and Tv.	3	5	170,00	340,04	66,66	68,00	-	-
31st.	26th	Fitting B	10	6	566,01	447,25	56,60	74,54	-	-
32nd.	21st	Plasttorwork	-	6	-	384,40	-	64,06	-	-
TOTALS			200	200	13.035,94	13.292,52	65,50	66,46	11	9

PARTICIPANTS, TOTAL SCORE AND PERCENTILE RATING BY BRANCHES IN THE
XIII AND XIVTH COMPETITIONS (Lisbon-Glasgow)

Classification		Branches	Competi tors.		Total marks		Per cent		W.Q.	
Lisbon	Glasgow		Lis.	Glas.	Lisbon	Glasgow	Lisbon	Glasgow	L.	G.
1st.	1st	Electricity	22	27	1.647,78	2.061,99	78,46	76,37	1	-
2nd.	5th	Metallurgy	45	45	3.067,59	2.933,51	73,03	65,19	3	2
3rd	4th	Building	27	30	1.902,77	2.015,84	70,47	67,19	-	1
4th	2nd	Wood	39	34	2.454,58	2.332,73	70,13	68,60	4	1
5th	3rd	Art Tests	12	11	727,70	740,00	66,15	67,27	1	-
6th	6th	Mechanic	54	53	3.235,52	3.208,35	62,22	60,53	2	5
T O T A L S			199	200	13.035,94	13.292,52	65,50	66,46	11	9

INTERNATIONAL COMPETITIONS

NUMBER OF PARTICIPANTS BY COUNTRIES AND COMPETITIONS

COUNTRIES	1950	1952	1953	1954	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	TOTALS
Germany.....	-	-	18	19	5	13	13	16	25	32	24	32	24	24	235
Austria.....	-	-	-	-	-	-	-	-	-	8	8	8	-	-	24
Belgium.....	-	-	-	2	11	25	25	19	20	19	18	15	19	17	190
Denmark.....	-	-	-	-	-	-	-	-	-	-	-	11	-	-	11
Spain.....	12	8	-	26	28	35	30	28	37	30	25	27	26	26	360
France.....	-	-	1	3	10	6	10	-	-	5	-	-	-	-	35
U. Kingdom....	-	-	1	-	7	12	20	23	31	31	28	31	28	28	240
Ireland.....	-	-	-	-	-	4	17	14	19	18	16	32	21	28	168
Italy.....	-	-	-	-	15	19	15	31	25	19	-	13	11	13	161
Holland.....	-	-	-	-	-	-	-	-	-	-	8	13	14	16	51
Japan.....	-	-	-	-	-	-	-	-	-	-	8	14	17	19	58
Luxembourg....	-	-	-	-	-	-	4	4	-	8	-	9	6	-	31
Morocco.....	-	-	-	15	-	-	-	-	-	-	-	-	-	-	24
Portugal.....	12	8	9	10	9	14	8	12	17	12	16	20	27	18	191
Switzerland...	-	-	4	8	3	-	2	3	-	11	5	10	9	9	64
TOTALS.....	24	16	65	83	88	128	144	150	173	193	156	227	198	200	1,843

PRESENT:

Mr. Emerson
Mr. Woerner
Mr. Vastiau
Mr. Miró
Mr. Hamer
Mr. Power
Mr. Ghedini
Mr. Tomida
Mr. Gomes
Mr. Fraefel
Mr. Albert
Mr. Capdepón

At the Stow Engineering College, Glasgow, at 11.00 a.m. on July 12th 1965. The gentlemen enumerated in the margin, Members of the Technical Committee of the XIV International Apprentice Competition, met under the Chairmanship of the United Kingdom Technical Representative, Mr. Emerson.

The Chairman welcomed delegated and hoped that the work of organising the Competition would proceed normally and efficiently.

A Chairman of the Technical Committee was nominated for the duration of the Competition following the same procedure as on previous occasions.

The next item was to revise the numerical list of contestants, the following amendments to be made to the list submitted to the Secretariat by each delegation.

Belgian moulders and Portuguese joiners would not be taking part in the Competition for various reasons and the Belgian and Dutch silver-smiths would go over the Jewellery Section.

No Competition would be held in Industrial Forging and Wood Carving because of a lack of quorum.

A new trade, plaster work, was to be included in the Competition and there would be demonstrations of shoe making, tailoring and ventilating and instruments making.

The Chairman then gave the following information to representatives:

- (a) Test must be selected and submitted to the Secretariat before 12.00 noon on the 13th July.
- (b) Drawing must show the maximum time allotted to contestants for each trade.
- (c) The marking system must total 95 points, the remaining 5 points to be awarded for time saving.

Sub-Committee were then set up to select and qualify the tests, and the Secretary handed over the proposals submitted by the Technical Representatives for the various trades as shown in the attached appendix.

Since there was no further business, the Chairman adjourned the Meeting and ordered these Minutes to be written out, and I, as Secretary, certify them.

APPENDIX I Minute of 12th July 1965

The following countries have proposed tests as follows:

<u>FITTING "A"</u>	Belgium Germany Ireland Italy Japan Spain Switzerland United Kingdom	<u>FOUNDRY MOULDING "U"</u>	Italy Japan Spain United Kingdom
<u>FITTING "B"</u>	Belgium Germany Ireland Spain United Kingdom	<u>CONSTRUCTIONAL STEEL WORK "U"</u>	Germany Holland Japan Spain United Kingdom
<u>MACHINE DRAWING "U"</u>	Italy Japan United Kingdom	<u>GAS WELDING "U"</u>	Ireland Japan Spain United Kingdom
<u>PRESS TOOL MAKING "U"</u>	Ireland Italy Japan Spain Switzerland United Kingdom	<u>ELECTRIC WELDING "U"</u>	Ireland Japan Portugal Spain United Kingdom
<u>TURNING "A"</u>	Belgium Germany Holland Ireland Japan Spain United Kingdom	<u>PANEL BEATING "U"</u>	Japan Spain United Kingdom
<u>TURNING "B"</u>	Belgium Germany Ireland Italy Spain United Kingdom	<u>SHEET METAL WORK "U"</u>	Ireland Japan Spain United Kingdom
<u>MILLING "U"</u>	Italy Japan Spain United Kingdom	<u>INDUSTRIAL WIRING "U"</u>	Germany Ireland Italy Japan United Kingdom
		<u>HOUSE WIRING "A"</u>	Germany Ireland Japan United Kingdom

<u>HOUSE WIRING "B"</u>	Ireland United Kingdom	<u>CABINET MAKIGN "B"</u>	Ireland Spain Switzerland
<u>RADIO AND TV REPARING "U"</u>	Germany Japan	<u>CARPENTRY "U"</u>	Holland Ireland Japan United Kingdom
<u>STONE CUTTING "U"</u>	Holland Switzerland United Kingdom	<u>JOINERY "AA"</u>	Holland Ireland Japan Spain United Kingdom
<u>BRICKLAYING "U"</u>	Holland Ireland Switzerland United Kingdom	<u>JOINERY "B"</u>	Ireland Spain United Kingdom
<u>PAINTING "U"</u>	Holland Ireland United Kingdom	<u>JEWELLERY "U"</u>	Italy Switzerland United Kingdom
<u>PLUMBING "U"</u>	Holland Ireland Japan Spain United Kingdom	<u>SILVERSMI- THING "U"</u>	United Kingdom
<u>CABINET MAKING "A"</u>	Ireland Japan Spain Switzerland United Kingdom	<u>PLASER- WORK "U"</u>	Holland United Kingdom

APPENDIX II

Minute of 12th July 1965

ROTATION OF THE TECHNICAL COMMITTEE CHAIRMANSHIP

13th July	Technical Representative from	Belgium
14th "	"	Germany
15th "	"	Holland
16th "	"	Ireland
17th "	"	Italy
19th "	"	Japan
20th "	"	Portugal
21th "	"	Spain
22st "	"	Switzerland
23nd "	"	United Kingdom
24th "	"	Belgium
26th "	"	Germany
27th "	"	Holland
28th "	"	Ireland
29th "	"	Italy
30th "	"	Japan

PRESENT:

Mr. Vastiau
Mr. Woerner
Mr. Raspe
Mr. Emerson
Mr. Miró
Mr. Hamer
Mr. Power
Mr. Ghedini
Mr. Tomida
Mr. Gomes
Mr. Fraefel
Mr. Albert
Mr. Capdepón

The gentlemen mentioned alongside, Members of the Technical Committee of the XIV International Apprenticeship Competition, met at 11. a.m. on July 13th and 14th at the Stow Engineering College, Glasgow. Mr. Vastiau, technical representative of Belgium, was in the chair on the 13th and Mr. Woerner, German technical representative, presided the 14th July.

The Secretary handed the Minutes of the previous meeting to the representatives who approved them without making any amendments.

Mr. Woerner recalled and confirmed what had been agreed at the October meeting in Madrid concerning prizes for contestants. The only prizes awarded would be:

One first prize	Gold Medal
One second prize	Silver Medal
One third prize	Bronze Medal

The Qualifying Committees could submit the names of contestants whose work was particularly meritorious to the Technical Committee who would decide whether to award Honours Diplomas or any other distinction.

The Secretary, Mr. Albert reported on the selection of tests, preparation of drawings and marking schemes and the maximum times allowed for each test. Any representatives who has not yet submitted the proposals approved by their Committee promised to do so before four o'clock that day.

Mr. Woerner stated that the Technical Committee would meet at 4 p.m. on the 15th July to give final approval to the tests selected by the various sub-committees and the Chairman of each sub-committee could then report on what had been done during the three days' preliminary work.

On behalf of the Glasgow Committee, Mr. Emerson pointed out that everything had been done to ensure that all contestants would use exclusively only those tools and equipment provided by his Committee, in accordance with what had been agreed at the October meetings in Madrid. The Committee confirmed the Madrid resolution and asked that Mr. Miró and Mr. Ghedini, Chairmen of the Committee of Mechanical Trades be responsible for seeing that the regulation was strictly complied with.

Mr. Fraefel stated that the woodcarving workshops did not have the equipment to which the countries taking part in the Competition were accustomed. He thought the question should be carefully studied and a solution found as soon as possible so that contestants would have no difficulty in carrying out their tests.

Mr. Corfts offered to solve any problems which might arise provided he was told about them that very day.

Mr. Woerner said that he thought that the equipment supplied by the United Kingdom and Glasgow Committees was quite magnificent and provided a splendid opportunity of showing our young people different working methods, modern tools and machinery, and giving them a chance of learning new techniques which might be very useful to them in their training.

The Secretary, Mr. Albert mentioned that contestants would be given specific instructions on how to use the workshops as well as other technical aspects to be borne in mind in order to comply with the rules laid down by the Organizing Committee.

Mr. Crofts informed representatives that they would be receiving a programme of the Competition that very day, and apologized for not having been able to give them it earlier.

Finally, Mr. Woerner thanked the United Kingdom and Glasgow Committees for all the help given to those attending the meetings and for their hospitality and kindness during our stay in Glasgow.

Since there was no further business, the Chairman adjourned the meeting and ordered these Minutes to be written out, and I, as Secretary, certify them.

PRESENT:

Mr. Hamor
Mr. Miró
Mr. Raspe
Mr. Vastiau
Mr. Emerson
Mr. Woerner
Mr. Paer
Mr. Ghodini
Mr. Tomida
Mr. Gomes
Mr. Fraefel
Mr. Albert
Mr. Capdepón

MINUTES of the meeting of the Technical Committee held on July 15th 1965, under the Chairmanship, Mr. Hamor, Technical Representative of Holland.

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Previous MINUTES.— The previous day's Minutes were approved with the following amendments:

- a) Mr. Raspe was added to the list of those present.
- b) Mr. Miró asked that his proposal that fundamentals should in all cases bear higher marks than secondary measurements should figure in the Minutes.
- c) The fact that Mr. Power had not agreed with Mr. Miro's proposal and that it had thus been decided not to amend the resolution of the Technical Committee was also to be included in the Minutes.
- d) Mr. Vastiau pointed out that the Belgian proposal for Painting had not been included in appendix to the Minutes, and asked that it should be put on record as having been taken into account in selecting the tests.

Final list of competitors. The Secretary read the final list of competitors. The list handed to representatives was confirmed as correct, with the following amendments:

- a) The Swiss fitter who was down on the list as taking part in category "A" would compete in category "B".
- b) A competitor from Germany was to be included in Sheet Metal Working, Category "U".
- c) The heating and ventilating exhibition and the instruments making demonstration would be staged by six young apprentices from United Kingdom.

With regard to the technical experts chosen to supervise the tests, Mr. Bodhen from Belgium and Mr. Van Rhijn from Holland were assigned to Plumbing and Painting respectively.

Plasterwork. The Chairman stated that Plasterwork should be included among the Trades in this and all future Competitions. It was thus agreed.

Demonstrations. Mr. Vastiau gave members of the Scottish Committee several reasons why the Tailoring and Shoemaking demonstrations should be held together in one room. The Committee promised to take steps to comply with Mr. Vastiau's request.

Demonstrations of Instruments Making. Mr. Woerner asked that the Instruments Making demonstrations be held in the Fitting workshop. The Scottish Committee agreed and promised to see that the necessary work benches were installed.

Marking Sheets. The Secretary said that members were not to use the method for calculating the time factor printed at the bottom left-hand corner of the yellow marking sheets. That system was not being used in the Competition this year and the Jury were asked to amend the marking sheet accordingly.

Selection of tests. The next item was to approve the preliminary work done by the Technical Sub-Committees concerning the selection of workshop tests to be carried out by competitors. The Chairmen of the various Sub-Committees gave the Technical Committee details of the work done, and the following tests, marking schemes and maximum times were approved:

FITTERS "A". - Test selected proposed by Germany. Maximum time allowed: 28 hours.

Marking Scheme:

Fundamental Measurements	33%
Secondary Measurements	15%
Accuracy of angles and surfaces finish	20%
Appearance	7%
Quality of Fitting and Functioning	25%
	100 x 0.95 = 95
Time factor	
	100

A maximum of five penalty points will be deducted for materials replaced.

FITTERS "B". - Test selected proposed by Spain. Maximum time allowed: 20 hours. Marking Scheme: same as for FITTERS "A".

MACHINE DRAUGHTSMEN "U". - Test selected proposed by Japan and Italy. Maximum time allowed: 25 hours.

Marking Scheme:

1st Test - Sketch of Model	15 points
2nd Test - Elevations & Sections	15 "
3rd Test - Assembly drawing & details	65 "
	95
Time factor ...	
	100

PRESS TOOL MAKERS "U". - Test selected proposed by Spain. Maximum time allowed: 30 hours.

Marking Scheme:

Fundamental Measurements	25 %
Secondary Measurements	15 %
Accuracy of angles and finish surface ...	20 %
Appearance	7 %
Functioning	33 %
	100 x 0.95 = 95 points.

A maximum of five penalty points will be deducted for any materials replaced.

TURNERS "A".- Test selected proposed by Ireland. Maximum time allowed: 25 hours.

Marking Scheme:

Fundamentals	35
Secondary	25
Surface finish	10
Fitting	10
Parallelism and Eccentricity	5
Taper and Threads	5
Utilization of Materials	5
Time	5
	<u>100</u>

TURNERS "B".- Test selected proposed by Italy. Maximum time allowed: 22 hours.

Marking Scheme:

Fundamentals	33
Secondary	22
Surface Finish	7
Parallelism and Eccentricity	10
Taper and Threads	8
Utilization of Materials	5
Time	5
	<u>100</u>

MILLERS "U".- Test selected proposed by the United Kingdom. Maximum time allowed: 25 hours.

Marking Scheme:

Fundamentals	35
Secondary	25
Surface finishc.....	8
Fitting	7
Squareness and Parallelism	10
Holes	5
Utilization of Materials	5
Time	5
	<u>100</u>

MOULDERS "U".- Test selected proposed by the United Kingdom. Maximum time allowed: 18 hours.

Marking Scheme:

Inspection Mould & Cores

Technical Precision	20
Finish	10

Casting

Finish of casting	50
Use of material	15
Time	5
	<u>100</u>

WOOD PATTERN MAKERS "U". - Test selected proposed by the United Kingdom. Maximum time allowed: 32 hours.

Marking Scheme:

Use of material and finish of pattern & coreboxes.....	30
6 principal dimensions (5 each).....	30
Other (secondary) dimensions	35
Time.....	<u>5</u>
	100

CONSTRUCTIONS STEEL WORKER "U". - Test selected proposed by the United Kingdom. Maximum time allowed: 25 hours.

Marking Scheme:

Fundamental Measurements	30
Secondary Measurements	15
Correct Assembly	20
Welding	15
Flame-cutting	10
Appearance	<u>10</u>
	100

Correction factor = 0.95

Quality	95 points
Time	<u>5</u>
	100

GAS WELDERS "U". - Test selected proposed by Ireland. Maximum time allowed: 24 hours.

Marking Scheme:

Penetration	23
Undercutting	22
Overlap	10
Slags inclusions & porosity	10
End of beads	10
Pick-up	5
Appearance	10
Use of material	<u>5</u>
	95
Time factor	<u>5</u>
	100

ELECTRIC WELDERS "U". - Test selected proposed by Spain and Ireland. Maximum time allowed: 24 hours.

Marking Scheme: same as for Gas Welders.

PANEL BEATERS "U". - Test selected by Japan. Maximum time allowed: 26 hours.

Marking Scheme:

Measurements	25
Symmetry	10
Welding	10
Beating & surface finish	25

Appearance	20
Use of material	20
Time.	5
	<u>100</u>

SHEET METAL WORKERS "U". - Test selected proposed by Japan. Maximum time allowed: 24 hours.

Marking Scheme:

General Finish	10
Measurements	15
Drawing	25
Fitting of parts	10
Welding	10
Beating & surface finish	15
Riveting	5
Use of materials	5
Time factor	5
	<u>100</u>

INDUSTRIAL ELECTRICIANS "U". - Test selected proposed by Japan. Maximum time allowed: 20 hours.

Marking Scheme:

Functioning	55
Protection	7.5
Insulation	7.5
Connection	10
Disposition	7
Use of materials	8
Time factor	5
	<u>100</u>

HOUSE WIRERS "A". - Test selected proposed by United Kingdom. Maximum time allowed: 25 hours.

Marking Scheme: same as for Industrial Electricians.

HOUSE WIRERS "B". - Test selected proposed by Ireland. Maximum time allowed: 20 hours.

Markings Schemes: same as for Industrial Electricians.

RADIO & TV REPAIRERS "U". - Test selected proposed by Switzerland. Maximum time allowed: 24 hours.

Marking Scheme:

Test. No. 1	12
Test No. 2	12
Test No. 3	35
Test No. 4	12
Test No. 5	12
Test No. 6	12
Time	5
	<u>100</u>

STONE MASONS "U".- Test selected proposed by Switzerland. Maximum time allowed: 22 hours.

Marking Scheme:

Anglos and alignment	20
Measurements	20
Templets	15
Similarity with drawing	15
Accuracy of curve	10
Surface Finish	5
Apprarance	5
Appearance	5

BRICKLAYERS "U".- Test selected proposed by the United Kingdom. Maximum time allowed: 26 hours.

Marking Scheme:

Work vertical	10
Work horizontal	10
Work square	10
Work in alignment	5
Accuracy of dimensions	10
Work in accordance with drawing	5
Joints equal in size	5
Accuracy of curve	10
Proyecting headers	5
Panels to pier	5
Cap to pier	5
Cleanliness of work	10
Recessed joints on face, fluxh joints at back	5

PAINTERS "U".- Test selected proposed by the United Kingdom. Maximum time allowed: 30 hours.

Marking Scheme:

Enlargement and accuracy in setting out ...	10
Formation of letters	10
Colour matching	5
Correct application of material	5
Fineness of lines	5
Correct rendering of completed scheme of decoration	30
Execution of lettering	30
Time	5

PLUMBERS "U".- Test selected proposed by Ireland. Maximum time allowed: 21 hours.

Marking Scheme:

<u>Zinc</u>	
Cutting and Folding	5
Assembling and Soldering	10
Dimensions	10
General Finish	5

Lead

Bending	5
Soldered Stop end	5
Soldered Flange Joint	5
Soldered Underhand Joint.....	5
Soldered Branch Joints.....	10
Dimensions	5
General Finish	5

Copper

Capillary Joint ..	5
Machine Bending	5
Fixing Brackets	5
Dimensions	5
General Finish	5

PLASTERWORKERS "U".- Test selected proposed by the United Kingdom. Maximum time allowed: 28 hours.

Marking Scheme:

Setting to walls and ceiling	20
Running cornice	15
Mitres to cornice	15
Moulding to pattern	15
Execution of motif	10
Stucco skirting	10
Cleanliness and general finish ..	15

CABINET MAKERS "A".- Test selected proposed by Germany. Maximum time allowed: 29 hours.

Marking Scheme:

Drawings	10
Fundamental Measurements ..	15
Secondary Measurements	15
Internal Joints	15
External Joints	15
Surface and Edges	10
General Appearance	10
Time	5

CABINET MARKER "B".- Test selected proposed by Ireland. Maximum time allowed: 26 hours.

Marking Scheme: same as for Cabinet Makers "A".

JOINERS "A".- Test selected proposed by Spain. Maximum time allowed: 24 hours.

Marking Scheme: same as for Cabinet Makers "A".

JOINERS "B".- Test selected proposed by Ireland. Maximum time allowed: 24 hours.

Marking Scheme: same as for Cabinet Makers "A".

CARPENTERS "U". - Test selected proposed by Ireland. Maximum time allowed: 26 hours.

Marking Scheme:

Drawing	15
Bevels	15
Fundamental Measurements..	10
Secondary Measurements ...	10
Internal Joints	15
External Joints	15
Appearance	10
Materials	5
Time	5

JEWELLERS "U". - Test selected proposed by the United Kingdom. Maximum time allowed: 30 hours.

Marking Scheme:

Interpretation of design.....	10
Measurements	10
Soldering	15
Forming and shaping of parts ..	15
General finish of work	20
Saw piercing and opening	20
Economy of materials	5
Time	5

SILVERSMITHS "U". - Test selected proposed by the United Kingdom. Maximum time allowed: 30 hours.

Marking Scheme:

Interpretation of design	5
Details of construction (fitting, etc) ..	10
Soldering	20
Measurements	15
General finish	20
Shaping & Forming: Bowl	10
Shaping and Forming: Foot	10
Economy of materials	5
Time	5

Since there was no further business the Chairman adjourned the meeting and ordered these Minutes to be written out, and I, as Secretary, certify the,

PRESENT:

Mr. López
Mr. Hill
Mr. Ramos
Mr. Vlaeminck
Mr. Cech
Mr. Trip
Mr. O'Flanagan
Mr. Malagodi
Mr. Terauchi
Mr. D. Ferreira
Mr. Müller
Mr. Vastiau
Mr. Raspe
Mr. Woerner
Mr. Hamer
Mr. Power
Mr. Ghedini
Mr. Tomida.
Mr. Gomes
Mr. Miró
Mr. Emerson
Mr. Fraefel
Mr. Albert
Mr. Capdepon

MINUTES of the meeting of the Organizing Council held on July 18th, 1965. Chairman: Mr. Eugenio López López

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The Chairman declared the Meeting open at 8.30 p.m., asking first of all whether members agreed with the agenda. This being so, the agenda was approved.

Official setting up of Organizing Council.— All official and technical representatives of the ten countries taking part in the Competition being present, the Organizing Council of the XIVth International Apprentice Competition was officially instituted, with Mr. Eugenio López López as Chairman and the gentlemen mentioned in the margin as members.

After General Lloyd's address of welcome on behalf of Her Majesty the Queen, the Chairman thanked the United Kingdom and Scottish Committee for for all their cooperation both to the Organizing Council and to competitors. He spoke of how the Council remembered Mr. Dittmann who was no longer able to be a member and welcomed Mr. Cech who was replacing him. He was pleased to see Mr. Deforge from France and Mr. Palvakis from Greece who were attending the Competition as observers. He welcomed them on behalf of the whole Council and expressed the hope that their work here would be satisfactory and that they would be able to persuade their Governments to take part in future Competitions.

Secretary's report.— The Secretary of the Council reported that the Technical Committee had carried out all its functions during the previous week and made particular reference to the following:

- a) Revisions were made to the lists of those taking part in the XIVth Competition, with the result that the final number of competitors totalled 200. Thirteen young people were also taking part in demonstrations of shoemaking, tailoring, heating and ventilating and instruments making.
- b) No competition would be held in Industrial Forging and Wood Carving because there was not the requisite number of contestants.
- c) 119 proposals for tests had been submitted to the Secretariat by technical representatives from the various countries. Of the tests selected, 10 were submitted by the United Kingdom, 8 by Ireland, 4 by Japan, 4 by Spain, 2 by Germany, 2 by Italy, 1 by Holland and 1 by Switzerland.

The Technical Committee had decided on maximum times allowed and the marking scheme for each test as shown in the Minutes of the

meeting held on July 15 th. The Secretary read these Minutes to members.

d) The resolution adopted by the Council during its October meetings in Madrid had been taken into account and only three prizes were to be awarded for each category in each trade - a first, second and third prize. Special diplomas could, however, be awarded for good work.

A few corrections were made to typing errors in the Minutes of the Technical Committee meeting of July 15th, and then the following gentlemen took the floor:

Mr. Diaz Ferreira. - pointed out that the Minutes of the Technical Committee Meetings of July 13th and 14th stated that it had been agreed to "confirm" the decision taken at the Madrid meetings to award only three prizes to competitors. He stated that the Technical Committee had no authority to confirm resolutions passed by the Supreme Governing Body of these Competitions, and could only "suggest" that resolutions be ratified. The Secretary apologised and said the fault lay entirely with him since it was he who had drafted the Minutes. The Committee had no intention of ratifying such resolutions and only meant to draw attention to them to ensure that the Council's decisions were respected.

Mr. Vastiau mentioned that Mr. Bohden from Belgium and Mr. Van Rhijn from Holland were down in the Minutes as having been assigned to Plumbing and Painting respectively. What was really meant was that these gentlemen would both be supervising both Trades. The Council resolved to take account of Mr. Vastiau's remarks and the gentlemen in question would act accordingly.

Mr. Vastiau further proposed that Members of the Council should be given a copy of the Minutes in the original as well as in their own language, in order to be able to compare the translation against the original. The Council agreed and the Secretary was asked to comply with Mr. Vastiau's request both in this and in future Competitions.

Mr. Vastiau pointed out that the painting and decorating test had not been proposed by the United Kingdom, as stated in the Minutes, but by Belgium. Mr. Emerson, however, mentioned that the United Kingdom had helped in preparing the test. The Council decided that the test for Painters and Decorators should go on record as having been proposed jointly by Belgium and the United Kingdom.

Mr. Gomes, referring to the lay-out of the marking schemes, requested that the Fitting "A" lay-out (English text of the Minutes) be adopted when writing out the marking schemes. The Council agreed and asked the Secretary to ensure that this be done.

Once the above members had voiced their comments and the Council had made decisions accordingly, the Minutes of the Technical Committee Meetings were approved with the aforementioned amendments.

The Chairman then made the following points:

- a) Mr. Hidl, Official Representative of the United Kingdom and first Vice-Chairman of the Council, would act in the absence of the Chairman and take all necessary decisions.
- b) The Chairman suggested that Mr. Glossener from Luxemburg, made a Member of the Technical Committee as Luxemburg's technical representative. The Council accepted the Chairman's proposal.
- c) Finally, he asked Mr. Cech, official German representative and Mr. Deforge, official Observer from France, to give their impressions on the organisation and running of the Competition.

Mr. Deforge declared that he was here as an observer, having been appointed by the French Ministry of Education, and it was a great honour for him to attend the meetings of the Organising Committee of the XIVth International Apprentice Competition. He observed that the main purpose of these competitions was to promote technical and vocational training of young people and that this was a matter of great concern to all of us. He pledged himself to help advance these aims and promised that he would endeavour to get France to take part in future competitions. On returning home he would submit a detailed report to his Minister of how the competitions are run and organising an attempt to persuade the Government to agree to France's participating. Finally, he thanked the Chairman for his kind words spoken on behalf of the whole Council, in respect of himself and his country.

Mr. Cech stated that in replacing Mr. Ditlmann he would endeavour to follow in the latter's footsteps and to work with enthusiasm in the Council. He hoped that Germany would continue to play its part in training young people. He thanked members for the welcome he had been given and in his capacity as official German representative, promised to devote his time to assisting them in their tasks. He was grateful for the friendliness shown towards his country and would do his best to continue Mr. Ditlmann's good work. Finally, he wished the XIVth Competition every success.

The Chairman proposed that in recognition of his devoted and enthusiastic services to the Council, and in view of the circumstance which prevented him from attending, Mr. Ditlmann be made an Honorary Member of the Organising Council. The Council expressed satisfaction at the Chairman's suggestion which was approved and warmly applauded by Members. Dr. Klaus Ditlmann was thus made an Honorary Member of the Council.

Since there is no further business, the Chairman adjourned the meeting and ordered these Minutes to be written out, and I, as Secretary certify them.

PRESENT:

Mr. Hill
Mr. Ramos
Mr. Power
Mr. Raspe
Mr. Woerner
Mr. Malagodi
Mr. Müller
Mr. Dias F.
Mr. Terauchi
Mr. L. Trip
Mr. Vlaemminck
Mr. Albert
Mr. Capdepon
Official Observers.

MINUTES of the meeting of the Administrative Committee held on 21st July, 1965. Chairman: Mr. Eugenio López.

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In the absence of Mr. López, Mr. Hill, as first Vice-Chairman, declared the meeting open. He apologized on behalf of Mr. López, who would be arriving later.

The Committee began by discussing the first item of the agenda - the choice of a competition emblem. The Vice-Chairman went on to describe the emblem suggested by the United Kingdom. He felt this was a universal design which illustrated the nature of the Competition.

Mr. Woerner thought certain additions should be made to the design in order to represent the character of the competition and the country in which it was held.

Mr. Ramos asked the Committee for permission to submit to the Secretariat certain new designs proposed by the Spanish delegation and which there had been no time to reproduce. His request was granted.

Mr. Müller felt that the proposals submitted were not sufficiently representative.

Mr. Malagodi agreed with Mr. Woerner that the future emblem should be of a more comprehensive design.

Mr. Dias Ferreira described the meaning of his delegation's proposal. They had tried to give it a universal character and a definite significance, although he admitted that the Olympic rings or torch should not be included in the emblem without permission from the appropriate sporting authorities.

Mr. Hill in reply to the last point, thought it unnecessary to ask for permission. To him the torch signified wisdom. Nevertheless, he did not agree with the gear wheel, because some of the trades disputed in the Competition, such as wood carving, the arts test, etc. had nothing to do with engineering.

Mr. Power apologized for Mr. O'Flanagan, who being in Oslo, was unable to attend. Members were told the significance of the Irish proposal - the design portrayed the universal nature of the competition in the hands of craft and friendship. He suggested that two or three proposals be selected and the most suitable be chosen from among them. Mr. Malagodi thought it might be possible to incorporate features from each of these designs, adding certain details and eliminating others.

Mr. Dias Ferreira proposed that the emblems be studied and a preliminary selection be made in time for submission to the Organising Council at its meeting in October, when the most suitable design could be finally chosen.

At that point, Mr. López, came into the meeting, apologizing for his delay which had been caused by unforeseen circumstances. He took over chair from the Vice-Chairman Mr. Hill, who proposed that the six design submitted by Portugal, Germany, Ireland, the United Kingdom, Italy and Spain be taken into consideration. These were the designs he felt to be most acceptable.

The Chairman thought it more advisable to make the final choice of the emblem during the Competition itself, since it was important to have a badge to express our common aims.

Mr. Dias Ferreira, Mr. Woerner, Mr. Hill and Mr. Müller all expressed their views on the advisability of selecting the emblem during the Competition.

In view of the objection raised, the Chairman suggested forming a committee of the German, Irish, United Kingdom, Spanish, Italian and Portuguese delegations to study the proposed designs and report to the Organizing Committee on their decision.

This proposal was unanimously approved and it was decided that the committee should meet at Stow College on Friday next at 3.00 p.m. with Mr. Hill as Chairman.

The Chairman then turned to item 2 of the agenda regarding awards to be presented to institutions and bodies which had helped to stage the Competition. A SILVER PLATE was proposed for the following institutions:

Stow College of Engineering
Barmullock College of Further Education
Glasgow College of Building
Wolfson Hall Garscube State
Queen Margaret Hall, Bellshaugh Road
United Kingdom Organizing Committee
Scottish Organizing Committee.

The Competition Organizing Council would present a souvenir medal of the XIVth Competition to each participating country.

These awards were approved unanimously.

The Committee then went on to discuss item 3 of the agenda - criteria to be taken into account in awarding any distinctions proposed by the Juries.

In accordance with the Organizing Committee's decision reported in the previous minutes, it was confirmed that three medals, gold silver and bronze, would be given for each trade and category, and that names would be submitted by the Technical Committee for special distinctions. The Chairman thought it advisable to lay down a definite standard for such distinctions, which might be awarded to competitors with low marks and not to competitors with higher marks, according to the trade.

Mr. Ramos wished to establish a certain mark under which no distinctions could be awarded.

Mr. Malagodi thought that the top boy in each trade should be given a nominal 100 points, and that the Jury should take this as a basis on which to judge whether or not other competitors should be awarded distinctions.

Mr. Dias Ferreira did not agree with the first suggestion, and Mr. Woerner did not advocate the second solution.

Mr. Raspe felt that the Juries themselves should establish appropriate criteria.

Mr. Albert pointed out that applications for distinctions should be made by the Juries in writing and be accompanied by reasons to justify such awards. It would then be up to the Organizing Council to approve these formal applications or not.

Mr. Dias Ferreira, Mr. Malagodi, Mr. Woerner, Mr. Hill and Mr. Ramos proposed several amendments to the criteria mentioned above.

The Chairman insisted on the advisability of laying down definite criteria on this debatable question, to be taken into account by the Juries who would be required to act with the utmost objectivity. He felt, however, that it was upon to the Council to decide and proposed that a meeting be called in order to come to a decision on the matter. As various members of the Committee had mentioned, the technical representatives, being the only one who can really speak with full knowledge of all the facts, should be able to express their opinions, and they were not among us.

It was decided to call a meeting of the technical representatives for tomorrow July 22nd, at 10 a.m.

It was also agreed to discuss items 4, 5, 6, 7 and 8 of the agenda at tomorrow's meeting.

The Chairman then read a letter from Dr. Carlhering Baume apologizing for not being present at the Competition because of his illness.

He expressed his pleasure at seeing the French and Greek observers at the meeting, and thanked once again the United Kingdom and Scottish Committee for their cooperation and efficient organization of the Competition which was already proving a great success.

The Chairman adjourned the meeting and ordered these Minutes to be written out, and I, as Secretary, certify them.

PRESENT:

Mr. Hill
Mr. Ramos
Mr. Woorner
Mr. Raspe
Mr. Vastiau
Mr. Miró
Mr. Laman Trip
Mr. Power
Mr. Malagodi
Mr. Tomida
Mr. Terauchi
Mr. Dias F.
Mr. Emerson
Mr. Müller
Mr. Fraefel
Mr. Gomes
Mr. Hamer
Mr. Albert
Mr. Capdepón
Official Observers

MINUTES of the meeting of the Organising Council held at Stow Collogo on 22nd July. Chairma: Eugenio López.

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At 10. a.m. the Chairman declared the meeting opne. Before starting the agenda he gave to Mr. Raspe who proposed that the Organizing Council increase the maximum time allowed to Industrial Wirers from 20 to 21½ hours, and the time allowed for sheet metal working by 2 hours.

Mr. Miró suggested increasing the time for industrial wiring to 23 hours, in view of the difficulty of the test. The Council agreed with both proposals.

The Chairman read item 1 of the agenda concerning criteria to be taken into account when awarding distinctions to competitors. He summarized the various opinions expressed the previous day and after hearing suggestions from Mr. Emerson, Mr. Miró, Mr. Raspe and Mr. Power, agreed that the Juries themselves should decide what names to put forward for approval by the Technical and Organizing Committee, it being understood that several distinctions could be awarded for some trades, and none at all

for others, depending on the quality of the work.

Turning to item 2 of the agenda - date of the annual meeting of the Organizing Council in Madrid - the Chairman asked for suggestions from members. It was unanimously decided that the meeting should be held on October 25th 1965 in Madrid.

The Secretariat would be responsible for sending representatives, in good time, all information on where the meeting would be held, hotels, agenda, etc.

Mr. Laman Trip, Mr. Hill, Mr. Ramos an Mr. Vastiau then all spoke on item 3 of the agenda -Date of sub-committee meetings to study the Rules. Everyone agreed that the sub-committee, made up of official representative from the United Kingdom, Germany, Belgium, Holland and Spain and chaired by the Spanish representatives, should meet that same afternoon, at a time and place to be decided by its members, to prepare a working programme to finish drafting the Rules before the Ocotber meeting in Madrid.

Mr. Vastiau insisted that the meeting should discuss only the Rules and not the question of financing the Competitions. The Chairman disagreed ontirely saying that since the Rules should cover all foreseeable contingencies, they must of necessity include the question of finance.

Mr. Vastiau then recalled the Council's Resolution adopted at the Modena meeting (Italy): "Any competitor who has received a gold medal in any specific trade or category may not compete in the same trade or category in any other Competition. Otherwise, he may compete as often as he wishes".

There was one casi in the XIVth Competition which did not respect that Resolution and Mr. Vastiau asked the Council to act on the matter.

It was therefore decide not to discuss the matter and to deal immediately with an urgent question raised by one of the Juries, in view to the fact that the time limit for the test in question expired at 11.30 a.m.

The Jury asked whether work should automatically cease once the time limit was up or whether competitors could finish their work.

Mr. Miró, Mr. Albert, Mr. Emerson, Mr. Hill, Mr. Malagodi, Mr. Power, Mr. Fraefel and Mr. Gomes expressed their views for and against work ceasing immediately on expiry of the time limit.

It was then agreed that, in accordance with the Council's decision taken at last October's meeting, the maximum time allowed for all trades would be 35 hours. Since that time limit was up at 5.30 p.m. on the 23rd July, competitors could continue working until then. What must be taken into account was the maximum time fixed for each individual test - if competitors continued working after that time they would be penalized by their juries. One should distinguish between the time originally fixed for the tests and the maximum time, which were two different things.

Turning to item 4 of the agenda, the Chairman invited Mr. Woerner to report on the European Foundry Competition which took place in Paris in May and which he attended as observer.

Mr. Woerner gave an excellent detailed report on his mission undertaken on behalf of the Organizing Council.

Mr. Woerner finished up by offering to give the written text of his report to the Secretariat for translation and distribution, if possible, to members of the Council.

The Chairman congratulated Mr. Woerner and thanked him on behalf of the Council for his well documented report.

He then apologized for the absence of Mr. Palencia who, together with Mr. Woerner, had also been an observer at the European Foundry Competition on behalf of the Council. Unfortunately, official commitments had prevented Mr. Palencia from coming to the XIVth Competition. He too had made a report on the European Foundry Competition but since it was similar to Mr. Woerner's and the Chairman did not think it necessary to read it.

The Chairman informed the Council of a letter from the Korean Ambassador in Paris apologizing for not sending observers to the Competition as planned because of last minute difficulties.

The Council were informed of another letter received, this time from Mr. Akikuni Masuda, Chairman of Nikkan Kogyo Shimbrun, expressing the hope that a Competition might be held in Tokyo. The Chairman asked Council members to bear this in mind, and told them that should this proposal become a firm offer, he would request in due course some compensation for travel expenses so that Japan's expenses would not be higher than those of other host countries.

He also reported on his interview with a correspondent of the Tokyo Daily Industrial News when the possibility of holding the Competition in Japan was also discussed.

Council members were asked to visit the Heating & Ventilating and Instrument Making Exhibitions staged by the young people. The Chairman requested that technical experts from these two branches be invited to report to the Council next Friday at 10 a.m. if possible, or any other convenient day, on how these exhibitions have been faring. Should the report be favourably received by the Council, they might study the possibility of including these trades in future competitions.

Mr. Vastiau asked whether he might submit a written report on items 5 and 6 of the agenda since he would be fully occupied in the Juries during the next few days. He suggested that the report be translated by the Secretariat and distributed to members. Mr. Vastiau's request was accepted and the Chairman thanked him for his contribution.

The Chairman explained that he would not be able to stay in Glasgow right through the Competition as he would have wished, since certain commitments made it necessary for him to return to Madrid on July 22nd. He would however be back here on the 28th and remain until the end of the Competition. As agreed, the Vice-Chairman Mr. Hill would take over as Chairman until his return.

The Chairman adjourned the meeting and ordered these Minutes to be written out, and I, as Secretary, certify them.

PRESENT:

Mr. Raspe
Mr. Power
Mr. Ghedini
Mr. Miró
Mr. Woerner
Mr. Gomes
Mr. Glosener
Mr. Emerson
Mr. Fraefel
Mr. Tomida
Mr. Vastiau
Mr. Hamer

MINUTES of the Technical Committee Meeting held in Glasgow on July 26th 1965.- Chairma: Mr. Raspe, Technical Representative of Germany.

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Approval of previous Minutes.- The Minutes of the technical part of the meeting of July 22nd were approved with the following amendments:

a) Mr. Miró asked that the Competition Rules should stipulate that a competitor exceeding the time fixed for a test should be penalized. The maximum no. of marks for quality should be reduced and the time factor raised to 10 marks.

b) Mr. Emerson's request to the effect that competitors should be allowed to have the satisfaction of finishing their tests after the fixed time limit was also to be included in the Minutes.

Approval os Jurics' Assessments

The Secretary read out the marks awarded by the Jurics for each tests, as follows:

FITTING "A" The Jury's report was approved and it was proposed to award a distinction to the Ducht competitor.

FITTING "B" The Jury's report was approved and it was proposed to award a distinction to the United Kingdom competitor.

MACHINE DRAWING The Jury's report was approved.

PRESS TOOL MAKING The Jury's report was approved.

TURNING "A" The assessment had not yet been finished so the decision would be left pending untill the next meeting.

TURNING "BW" The Jury's report was approved and it was proposed to award a distinction to the competitor from Spain.

MILLING The Jury's report was approved.

FOUNDRY MOULDING The Jury's report was approved.

CONSTRUCTIONA STEEL WORK The Jury's report was approved and distinction were proposed for Ireland and Japan.

GAS WELDING The Jury's report was approved and it was proposed to award a distinction to the German competitor.

ELECTRIC WELDING The Jury's report was approved and it was proposed to award a distinction to the Japanese competitor.

PANEL BEATING At the request of Mr. Miró and after representatives from Portugal, Germany and Japan had expressed their views, it was decided that the Jury should revise its assessment, assisted by Mr. Santos and Mr. Monkvoid, technical experts from Portugal and Holland respectively, and by Mr. Serra-no and Mr. Ikeda. Mr. Santos and Mr. Monkvoid were to make a proposal to the Committee immediately the assessment had been revised. A revision was necessary because some of the competitors had filed their test piece, as authorized, and it was therefore difficult to assess the panel beating.

SHEET METAL WORK The Jury's report was approved.

INDUSTRIAL WIRING The Jury's report was approved.

HOUSE WIRING "A" The Jury's report was approved and it was proposed to award a distinction to the Italian competitor.

HOUSE WIRING "B" The Jury's report was approved and it was proposed to award a distinction to the German competitor.

RADIO AND TV REPAIRING The Jury's report was approved.

STONE CUTTING The Jury's report was approved.

BRICKLAYING The Jury's report was approved.

PAINTING The Jury's report was approved and it was proposed to award a distinction to the Belgian competitor.

PLUMGING The Jury's report was approved.

PLASTERWORK The Jury's report was approved and it was proposed to award a distinction to the Belgian competitor. It was also decided to give a special distinction to the German contestant who had pluckily continued his work despite a slight injury.

CABINET MAKING "A" The Jury's report was approved, but Mr. Miró, Spanish Technical Representative, voted against the motion since the report had not been signed by Spain who did not agree with the assessment of the other members of the Jury.

CABINET MAKING "B" The Jury's report was approved. Mr. Miró voted against approval for the same reasons as given above.

CARPENTRY The Jury's report was approved, and it was proposed to award a distinction to the competitor from Holland.

JOINERY "A" The Jury's report was approved.

JOINERY "B" The Jury's report was approved.

JEWELLERY The Jury's report was approved and it was proposed to award a distinction to the United Kingdom competitor.

SILVERSMITHING The Jury's report was approved, but it was decided not to award a bronze medal to the Spanish competitor whose marks were too low. Mr. Emerson praised the young Spaniard saying that he had done excellent work, but not

being familiar with the particular constructional technique of the test-piece, had wasted a lot of time. He deserved the bronze medal for this and for the fact that he had worked enthusiastically despite a slight injury. Mr. Gomes was not in favour of awarding a bronze medal; he would agree to concede a distinction but only because of the reasons expressed by Mr. Emerson. Mr. Emerson, Mr. Hamer, Mr. Miró, Mr. Fraefel and the Chairman all expressed their views on the matter. Mr. Gomes then spoke again, amending his previous statement and saying that he did not after all think that a distinction should be awarded to the Spaniard. Since members could not agree unanimously, the matter was put to the vote and by a majority decision it was resolved that neither a bronze medal nor a distinction should be awarded to the competitor in question.

NEW ASSESSMENT OF THE PANEL BEATING JURY After a meeting held between the technical experts of this trade and the experts from Portugal and Holland, Mr. Santos and Mr. Menkveld respectively, the Secretary read a proposal from the latter two gentlemen to the effect that less marks should be given for the actual panel beating to both the Spanish and the Japanese competitors, with a consequent reduction in the total marks. Mr. Tomida did not agree with the experts' opinion and pointed out that special attention should be paid to the concept "use of material", since it appeared that this had been erroneously interpreted and not correctly applied. In view of the experts' report and Mr. Tomida's statement, the Committee approved the following assessment:

1. Spain:	81.30 marks
2. Japan:	80.50 marks
3. United Kingdom	59.50 marks
4. Ireland:	56.60 marks
5. Belgium:	22.50 marks

In view of the special problems in assessing this particular test, and as a special exception, the Committee agreed to propose to the Council that two gold medals, for the first two apprentices, be awarded for this test.

PROPOSALS TO BE PUT TO THE COUNCIL:

After examining the various questions concerning assessment of tests in the XIVth Competition, the Committee decided to put the following proposals to the Council.

a) Special Certificates. Mr. Gomes proposed that since the competitors classified 3rd and 4th in Fitting "A" only had a difference of 0.08 marks, the 4th boy should be given a special certificate showing this insignificant difference. The suggestion was unanimously accepted.

Mr. Miró proposed that similar certificate be awarded to the runner-up in machine drawing, since there was only a difference of 0.50 marks between first and second place. This too was agreed unanimously.

b) EX-AEQUO PRIZES. After careful consideration it was decided to propose that the Council reconsider the question of awarding ex-aequo prizes as in previous competitions. It was unfair, in practice, not to give the same medal to competitors whose result only differed by less than one mark.

In this connection, Mr. Miró suggested that the Council be asked to consider whether or not to give a gold medal to the boy classified second in machine drawing. The Jury felt a gold medal should be awarded in this case, since there was only a difference of 0.5 marks between first and second. It was agreed to make this proposal to the Council.

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c) DISTINCTION At the request of Mr. Gomes, the Committee agreed that all competitor with more than 70 marks should be given a distinction. The Chairman pointed out that this proposal should be submitted to the Council for final approval. It was thus agreed.

d) REDOMMENDATIONS TO BE TAKEN INTO ACCOUNT WHEN DRAFTING THE COMPETITION RULES.

The Committee proposed that, in drafting the Rules, the Organizing Council should take into account the following points concerning the organization of the Competition.

1.- That it should specify whether or not more prizes than the agreed number, i.e. firsts, second, third and distinctions, may be awarded. If so, the Rules should contain a clause to this effect, specifying the criteria on which to base such awards.

2.- That a clause should be inserted making it compulsory for the Technical Committee to lay down rules before each Competition governing the use of machinery, tools, equipments etc., as well as the way the tests should be carried out, in order to avoid all possible doubt as the interpretation of such tests either by competitors or technical experts.

3.- That the Technical Committee, in such rule, should specify exactly how the concept "use of material" should be assessed.

5.- That a definite rule be made as to whether or not competitors may finish their tests after the time fixed by the Selection Committee has run out.

6.- That the Rules should prohibit winning competitors, i.e. those who have obtained a gold medal, from taking part in further competitions, unless in a different trade or category to that for which they obtained first prize.

7.- That provision be made to govern the organization of demonstration or exhibition tests, since no rules have as yet been laid down to this effect.

e) DEMONSTRATION TESTS AT THE PRESENT COMPETITION

The Secretary asked the Committee to make a decision about the demonstration tests carried out during the present Competition - Shoe-making, Tailoring, Heating and Ventilating, Instrument Making. The Committee agreed that Mr. Miró, Mr. Hamor, and Mr. Emerson should report to the next meeting of the Council on how they think the young people who have taken part in the demonstration should be rewarded.

It was agreed that each of these young people should be awarded a Certificate of Participation ("non-competitive").

REQUEST FROM THE OFFICIAL REPRESENTATIVE OF JAPAN

The Secretary read a letter to the Chairman from the Official Representative of Japan, Mr. Terauchi, asking that the Council's resolution to the effect, that from 1966 onwards, the maximum age of competitors should be 20 years, should not come into effect immediately, and that competitors up to 21 years of age be allowed to compete in the 1966 Competition. He suggested that the age limit of 20 years apply as from 1967.

The Committee agreed to consider the proposals and to discuss it at the next meeting of the Council.

Since there was no further business, the Chairman adjourned the meeting and asked that these Minutes be written out, and I as Secretary certify them.

PRESENT:

Mr. Hill
Mr. Ramos
Mr. Emerson
Mr. Vlaemminck
Mr. Laman Trip
Mr. O'Flanagan
Mr. Malagodi
Mr. Dias Ferreira
Mr. Terauchi
Mr. Coch
Mr. Müller
Mr. Miró
Mr. Vastiau
Mr. Hamer
Mr. Power
Mr. Ghodini
Mr. Gomes
Mr. Tomida.
Mr. Weerner
Mr. Raspe
Mr. Fraefol
Mr. Glosener
Mr. Albert
Mr. Capdepón

MINUTES of the Meeting of the Organizing Council held on July 28th 1965.

Chairman: Mr. Hill, official representative of the United Kingdom.

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ASSESSMENT OF TURNING "A"

The Secretary read a notice from Mr. Brown, technical expert, saying that he had omitted to penalize the competitor in eighth place under the heading "use of material". 1.25 mark were to be deducted under that heading, making a total of 81.15 marks. Mr. Brown's proposal was approved.

MAKING SHEET OF FITTERS "A"

On looking through the making sheet for Fitters "A", a typing error had been found on the original sheet which the Jury had given to the Secretariat. The Secretary said that the error was on the documents handed to representatives, and that the correction factor of 95 per cent, should be applied. He promised to make out a new sheet to replace the old one. Despite this small amendment the placing of competitors remained unchanged.

SPECIAL CERTIFICATES

On the proposal of the Technical Committee the Council agreed unanimously to award special certificates to the following competitors: to the Dutch competitor placed fourth in Fitting "A", and to the Spaniard placed second in Machine Drawing. The certificates were to state the very small difference between the marks awarded to the apprentice in question and the boy placed immediately before him, and the actual marks given to each. Similar certificates were to be awarded to competitors in other craft or trades whose marks were also very close.

DISTINCTIONS

The Secretary read the Technical Committee's resolution proposing that distinction be awarded by the Council to all competitor with more than 70 marks. After careful consideration of the question the Council decided not to accept the proposal and to abide by the previous agreement to leave the Jurors free to judge whether or not to concede such awards.

PROPOSAL CONCERNING THE AWARDING OF MORE THAN ONE GOLD MEDAL

The Secretary read the Technical Committee's proposal to make a special exception and award a Gold Medal to the Japanese competitor placed second in Panel Beating. Having been informed of the special circumstances prevailing during this particular test, the Council agreed unanimously to approve the Technical Committee's proposal and to award, for that trade only and as a special exception, a Gold Medal to the Japanese competitor placed second.

Mr. Miró then asked for a Gold Medal to be given to the Spaniard placed second in Machine Drawing, as recommended by Jury right from the start. Bearing in mind the principle laid down at the Madrid meeting of October 1964, and in view of the fact that the case was not comparable with that of Panel Beating

ting, the Council voted not to accept Mr. Miró's motion and the recommendation of Machine Drawing Jury. The result of the voting was 8 against and only 2 in favour.

PROPOSAL CONCERNING AWARDS COMPETITOR

In view of the discussion which had just taken place, the Chairman asked the Council to state whether it agreed with the placing as proposed by the Technical Committee, in accordance with the Minutes and Marking Sheet already circulated by the Secretariat.

Mr. Ramos asked for details of the marking for Silversmithing where the Committee suggested that no bronze medal be awarded to the competitor placed third. Mr. Emerson gave the reasons and Mr. Ramos was satisfied. The Council agreed that no bronze medal be given in view of the low marks attained by the competitor in comparison with the first two contestants.

The Council then unanimously agreed to approve the Technical Committee's awards recommended in the Minutes, and therefore proclaimed the winners of the XIVth International Apprentice Competition, the list of which is given in the attached appendix.

REPORT OF THE DRAFT STATUTES RULES

Mr. Ramos, Chairman of the Sub-Committee set up by the Council for draft the Competition Statutes Rules, informed the Council that the Sub-Committee, meeting in Glasgow on July 22nd, had studied a plan of action and agreed to supply all representatives with copies of the draft Statutes and Rules which would then be thoroughly examined by the Sub-Committee at the meeting to be held in Brussels on September 22nd and 23rd next. The Secretariat had already circulated the draft Statutes and Rules in the various languages.

JAPAN'S PROPOSAL CONCERNING THE AGE OF COMPETITORS

The Secretary read a letter to the Council from Mr. Terauchi, official representative of Japan, asking that the decision taken in Madrid in October 1964 to reduce the age limit of competitors to 20 should not come into force until 1967, and that competitors of up to 21 years should be allowed to take part in the 1966 Competition. Mr. Müller, Mr. Dias Ferreira, Mr. Ramos, Mr. Emerson, Mr. Fraefel, Mr. Raspe and Mr. Trip all expressed their various views on the matter, pointing out the disadvantages of the decision as far as organization and participation of competitors from their countries were concerned.

After lengthy discussion the Council decided that the age limit for competitors in the 1966 Competition should be 21 years and that an appropriate clause be inserted in the Competition Rules for future Competitions.

COMPETITION BADGE

Mr. Hill, Chairman of the Committee set up by the Council to report on the design for a competition badge, reported that his Committee had met on July 23rd and agreed to propose to the Council that the emblem should embody the following features: a globe to symbolise the universal nature of the Competition, a torch of knowledge, an allegory of the concept of work portrayed by a gear wheel, and the words "in labore dignitas". Mr. O'Flanagan's request that the design include the clasped hands of crafts was also mentioned. Mr. Hill showed delegates some of the drawings made by Mr. Emerson on the Committee's instructions. Mr. Dias Ferreira asked to be allowed to submit another design at the Madrid meeting next October, and this was agreed. After careful study of the design decided submitted by the Committee set up to choose a Competition Emblem, the Council decided that a drawing

should be made of the final design including the features proposed by the Committee, and that a final decision should be reached at the October meeting.

ORGANIZATION OF THE XV COMPETITION

Mr. Laman Trip stated that he could make no official comments on preparation for the XVth Competition in Holland since he had not yet received the Government's written confirmation with regard to financing the Competition. He nevertheless felt it highly probable that a favourable reply would be forthcoming. Once the position was officially confirmed, the Dutch would make plans to hold the Competition in Utrecht, to coincide with an important National Exhibition being organized in the same town. He asked that the duration of the Competition be reduced to two weeks, and that it should be held under the terms of the Council's decisions of October 1964. The date would be June 7th to June 22nd 1966.

Mr. Malagodi, Mr. Dias Ferreira and Mr. Ramos pointed out that those dates would raise problems as far as selecting and sending apprentices who would be taking their end-of-term exams during that period. However if Holland could not change the date, they would take the necessary steps to overcome these problems.

Mr. Trip said he would do his best to postpone the Competition by one week although he thought it would be somewhat difficult.

Mr. Ramos then took the floor to ask that it be put on record that the whole Council congratulated the United Kingdom and Scottish Committees for the magnificent way they had organized the Competition and helped the Council. The facilities provided to the tests had been wonderful, and members of the Committees had at all times shown great enthusiasm. The organizers were represented at the meeting by General Lloyd whose efficient and enthusiastic contribution to the XIVth Competition had been remarkable. Mr. Ramos was warmly applauded and the members present wished to associate themselves with his statement.

Major General Lloyd then spoke on behalf of the United Kingdom and Scottish Committees, expressing his satisfaction that the Competition had proved a success as far as organization was concerned, and thanking all official and technical representatives for the help they had given to both Committee to achieve their aims: to instill into our young people a spirit of enthusiasm a desire to perfect their technical knowledge and good-will to achieve understanding between all peoples, using work as a instrument to that end.

Mr. Hill apologized for the absence of their Chairman, Mr. López, and on his behalf thanked all members for their cooperation in the XIVth Competition.

Since there was no further business, the Chairman adjourned the meeting, and asked that these Minutes be written out, and I as Secretary, certify them.

APPENDIX OF THE MINUTES OF THE ORGANIZING COUNCIL MEETING HELD AT THE
STOW COLLEGE ON JULY 28TH 1965

Assessment of the competitors in each trade
of the XIV International Apprentice Competi-
tion, awards and distinctions.

FITTING.-- Category "A."

Antonio DIAZ GOMES	Spain	96,28 marks	1st Gold medal
Takahary MORISAWA	Japan	82,48 "	2nd Silver medal
Daniel DONAGHY	Ireland	82,40 "	3rd Bronze Medal
Franciscus A. DAMEN	Holland	82,12 "	4th Honry Mention
Robert MALONE	U. Kingdom	67,32 "	5th
H.-H. VON DER WARTH	Germany	59,85 "	6th
José PEIXE MARCHANTE	Portugal	47,46 "	7th
Paolo MASIERO	Italy	47,03 "	8th

Category "B"

Hans.-J. BAUMEISTER	Germany	91,07 marks	1st Gold Medal
José SALADO GOMEZ	Spain	88,60 "	2nd Silver Medal
Richard HARRINGTON	Ireland	81,79 "	3rd Bronze Medal
Philip MILBURN	U. Kingdom	78,43 "	4th Honry Mention
Franz BUCHI	Switzerland	57,60 "	5th
Giovanni FICCADENTI	Italy	49,76 "	6th

MACHINE DRAWING

Akira FURUICHI	Japan	81,50 marks	1st Gold Medal
Manuel VENTURA BRIZ	Spain	81,00 "	2nd Silver Medal
Mandfred BOMS	Gormany	67,50 "	3rd Bronze Medal
Hans KELLER	Switzerland	60,50 "	4th
Giorgio Maria FIANDRA	Italy	59,30 "	5th
Patrick M. McCARTHY	Ireland	51,60 "	6th
Malcom W. BENNET	U. Kingdom	50,70 "	7th
Gil PREREIRA GONCALVEZ	Portugal	49,30 "	8th

PRES. TOOL MAKING

A.S.A.M. ROOY VAN	Holland	74,02 marks	1st Gold Medal
Rafael BRAVO BAUTISTA	Spain	72,95 "	2nd Silver Medal
Falk WANNER	Germany	67,64 "	3rd Bronze Medal
John VERITY	U. Kingdom	65,82 "	4th
Manuel CORADO MOGAS	Portugal	60,93 "	5th
Jiro HARADA	Japan	(Not finished test. No marking)	
Michael A. CASSERLY	Ireland	"	"
Renato FABRIS	Italy	"	"
Michael ZUMBRUNNEN	Switzerland	"	"

TURNING.- Category "A"

Andrew J. TIMMINS	U. Kingdom	82,40	marks	1st	Gold Medal
Yukuo OKABE	Japan	78,75	"	2nd	Silver Medal
Holmut MEINECK	Germany	68,08	"	3rd	Bronze Medal
Angel NESTO PEREZ	Spain	64,08	"	4th	
Jorge A. VIEIRA	Portugal	60,45	"	5th	
James P. CONNOLLY	Ireland	59,97	"	6th	
Lodewijk MENSCH	Holland	59,87	"	7th	
Guido D'EDGIDIO	Italy	44,42	"	8th	
René MARTINI	Belgium				

Category "B"

Richard HALSEY	U. Kingdom	87,48	marks	1st	Gold Medal
Peter KALTENBACH	Germany	75,66	"	2nd	Silver Medal
Simon GREHAN	Ireland	74,18	"	3rd	Bronze Medal
Rafael AMBROJO	Spain	70,95	"	4th	Honry Mention
Lino BISSOLI	Italy	64,68	"	5th	
Jacques WERTON	Belgium	60,37	"	6th	

MILLING.-

Kenji SASAKI	Japan	87,60	marks	1st	Gold Medal
Mario FIORENTINO	Italy	69,92	"	2nd	Silver Medal
David A. WILLIAMS	United K.	53,51	"	3rd	Bronze Medal
Pablo J.I. ESCALADA	Spain	49,51	"	4th	
Hans-Dieter ROSNER	Germany	49,18	"	5th	
João Vidal DA SILVA	Portugal	48,91	"	6th	
Patrick T. SWEETMAN	Ireland	43,53	"	7th	

FOUNDRY MOULDING.-

Keith ROBLEY	U. Kingdom	92,65	marks	1st	Gold Medal
Kevin FORDE	Ireland	85,60	"	2nd	Silver Medal
Shigoo TAKAHASHI	Japan	81,15	"	3rd	Bronze Medal
Antonio RODAO NORA	Spain	62,00	"	4th	

WOOD PATTERN MAKING.-

Colin J. STEED	U. Kingdom	93,20	marks	1st	Gold Medal
Toshio WATANABE	Japan	87,75	"	2nd	Silver Medal
Bernardus STEEG V.D.	Holland	77,50	"	3rd	Bronze Medal
Claudio CONCARI	Italy	71,45	"	4th	Honry Mention
Jerónimo ALBADAJELO	Spain	69,90	"	5th	
José ALENQUER PEREIRA	Portugal	64,20	"	6th	
Thomas J. GRAY	Ireland	53,65	"	7th	
Peter FACTORY	Germany	51,40	"	8th	

CONSTRUCTIONAL STEEL WORK.--

Adolfo I. DA COSTA	Portugal	76,98	marks	1st Gold Medal
Peter NIXON	U. Kingdom	72,90	"	2nd Silver Medal
York-Stefan BICKEL	Germany	72,74	"	3rd Silver Medal
Cornelius HANDLEY	Ireland	72,12	"	4th Honry Mention
Kazuo WAKABAYASHI	Japan	70,02	"	5th
Adrianus J. SIJS	Holland	68,12	"	6th
Pablo VILLAMEDIANA	Spain	61,13	"	7th

GAS WELDING.--

Segundo CALLEJA MACHO	Spain	85,20	marks	1st Gold Medal
Yuji FURUKAWA	Japan	78,40	"	2nd Silver Medal
Frank FAHY	Ireland	67,90	"	3rd Bronze Medal
Solf MISS	Germany	65,80	"	4th Honry Mention
Manuel GOMES SOARES	Portugal	57,20	"	5th
Michele MARTORELLI	Italy	56,30	"	6th
Thomas McSKIMMING	U. Kingdom	54,10	"	7th

ELECTRIC WELDING.--

Ramón SIMON PORTAS	Spain	76,20	marks	1st Gold Medal
Ernest K. O'NEILL	U. Kingdom	73,90	"	2nd Silver Medal
José A. MATIAS SANTOS	Portugal	69,40	"	3rd Bronze Medal
Takahiro TSUKAMOTO	Japan	67,00	"	4th Honry Mention
Machiel ANDEL v.d.	Holland	55,80	"	5th
Andreas OCHAMANN	Germany	54,20	"	6th
Charles McROBY	Ireland	52,30	"	7th

PANEL BEATING.--

Antonio DOMINGUEZ CABO	Spain	81,30	marks	1st Gold Medal
Tadashi SAEKI	Japan	80,50	"	2nd Gold Medal
John R. TAYLOR	U. Kingdom	59,60	"	3rd Silver Medal
Charles I. HUTCHINSON	Ireland	56,60	"	4th
Raymond VERTOMMEN	Belgium	22,50	"	5th

SHEET METAL WORK.--

Shoji HAMADA	Japan	89,25	marks	1st Gold Medal
Elias ISIDORO CALLARDO	Spain	83,40	"	2nd Silver Medal
Roger F. WRIGHT	U. Kingdom	66,90	"	3rd Bronze Medal
Patrick CARPENTER	Ireland	59,50	"	4th
Werner FELISSNER	Germany	36,00	"	5th
Adrianus C. MARIJNISSEN	Holland	(Not finished test. No marking)		
Albano RITO FERREIRA	Portugal	"	"	"

INDUSTRIAL ELECTRICITY.-

Shoji FURUWAWA	Japan	92,30	marks	1st Gold Medal
Herbert SCHNEIDER	Germany	91,50	"	2nd Silver Medal
Geoffrey B. Frost	U. Kingdom	84,24	"	3rd Bronze Medal
Eugenio PRADOS	Spain	78,70	"	4th
Sean T. CURRY	Ireland	71,10	"	5th
Giancarlo FARRI	Italy	64,70	"	6th
Henri ENGELIN	Belgium	50,85	"	7th
Norberto M. MARTINS	Portugal	46,45	"	8th

HOUSE WIRING.- Category "A"

Christopher HAINE	U. Kingdom	97,40	marks	1st Gold Medal
Thomas P. KELLY	Ireland	93,30	"	2nd Silver Medal
Yoshikatsu SWASE	Japan	88,20	"	3rd Bronze Medal
Mario CANTI	Italy	86,90	"	4th Honry Mention
Axel WORKCH	Germany	82,80	"	5th
Fernando J. AGUAS	Spain	75,85	"	6th
Henri BOULET	Belgium	70,00	"	7th
FERNANDO CONCEICAO	Portugal	50,45	"	8th

Category "B"

Graham BROMLEY	U. Kingdom	96,50	marks	1st Gold Medal
Sergio CREMONINO	Italy	90,40	"	2nd Silver Medal
Teodoro R. DONATO	Spain	88,40	"	3rd Bronze Medal
Karl-Ludwig HEID	Germany	86,55	"	4th Honry Mention
James P. MURPHY	Ireland	71,40	"	5th
Adnre MARIS	Belgium	63,95	"	6th

RADIO AND TV REPAIRING.-

Katsuhijo NISHIO	Japan	94,65	marks	1st Gold Medal
Eusebio MATOS	Portugal	78,46	"	2nd Silver Medal
Roger A. MUNT	U. Kingdom	69,01	"	3rd Bronze Medal
Norbert LAGERBAUER	Germany	58,45	"	4th
Lucien DE MEST	Belgium	39,47	"	5th

STONE CUTTING.-

Brian J. COOPER	U. Kingdom	86,10	marks	1st Gold Medal
Volker HAHNEL	Germany	85,60	"	2nd Silver Medal
Jacobus KLUIJTMANS	Holland	84,85	"	3rd Bronze Medal
Manuel A. TIMOTEO	Portugal	70,55	"	4th
Ceral McCARTHY	Ireland	61,00	"	5th

BRICKLAYING.-

Theo VANDEN BRANDEN	Belgium	85,45	marks	1st Gold Medal
John S. TRUSLER	U. Kingdom	80,55	"	2nd Silver Medal
Horstv SCHREINER	Germany	77,87	"	3rd Bronze Medal
John HIGGINS	Ireland	70,46	"	4th
Theodorus P. SCHAKENBOS	Holland	66,88	"	5th
Paul HUG	Switzerland	54,96	"	6th

PAINTING.-

John Smith	U. Kingdom	85,00	marks	1st Gold Medal
Dieter HAIST	Germany	79,15	"	2nd Silver Medal
Hendricus P.M. VOS	Holland	77,90	"	3rd Bronze Medal
Jean-Claude PIETTE	Belgium	76,50	"	4th Honry Mention
Jorge CAVALDA FONT	Spain	63,01	"	5th
Austin CORDRAN	Ireland	63,00	"	6th
José A. MATOS SILVA	Portugal	(Not finished test. No marking)		

PLUMBING.-

Gerardus G. C. ROSKAN	Holland	73,99	marks	1st Gold Medal
Marc RAES	Belgium	68,60	"	2nd Silver Medal
Colin W. MOREEY	U. Kingdom	67,33	"	3rd Bronze Medal
Toshikiyo FUJII	Japan	56,33	"	4th
Robert CUNNINGHAM	Ireland	53,20	"	5th
Joaquín CORTES CEBRIA	Spain	43,16	"	6th

PLASTERWORK.-

Bernardus J. BENNER	Holland	84,22	marks	1st Gold Medal
Allon J. FETHER	U. Kingdom	82,18	"	2nd Silver Medal
Mandfred ENGESSER	Germany	64,80	"	3rd Bronze Medal
Jozef AERTS	Belgium	64,48	"	4th Honry Mention
Patrick A. HEGARTY	Ireland	49,50	"	5th
Luis SAHCHIS SENDRA	Spain	39,22	"	6th

CABINET MAKING.- Category "A"

Werher SUPER	Switzerland	81,25	marks	1st Gold Medal
Isamu TAMURA	Japan	77,00	"	2nd Silver Medal
Klaus PETERS	Germany	76,55	"	3rd Bronze Medal
Daniel HOOPER	U. Kingdom	71,10	"	4th
Williem LANG DE	Holland	69,85	"	5th
Francis BENNET	Ireland	68,25	"	6th
José A. ALVAREZ	Spain	67,80	"	7th
Julio A. CORREIA	Portugal	66,30	"	8th
Fraus VAN DEN BRANDEN	Belgium			

Category "B"

Robert REICHEL	Germany	83,25	marks	1st Gold Medal
Manuel PEREZ VARELA	Spain	80,15	"	2nd Silver Medal
Otto GLAESER	Switzerland	78,00	"	3rd Bronze Medal
Joseph CONNELLY	Ireland	76,30	"	4th Honry Mention
Aime PONCELET	Belgium	61,40	"	5th

CARPENTRY.--

Jose H. JORGE	Portugal	76,50	marks	1st Gold Medal
Wervort LEPOUDRE	Belgium	75,10	"	2nd Silver Medal
Tadgh LYNCH	Ireland	66,00	"	3rd Bronze Medal
Th C. VERSCHUREN	Holland	65,00	"	4th Honry Mention
Norbert HIRSCH	Germany	62,80	"	5th
David J. BODDICE	U. Kingdom	61,95	"	6th
Kazumi KATO	Japan	61,87	"	7th

JOINERY.-- Category "A"

James PHELLAN	Ireland	92,99	marks	1st Gold Medal
Willi STUTZ	Switzerland	83,15	"	2nd Silver Medal
Jurgm HACKELBERG	Germany	80,46	"	3rd Bronze Medal
Jose M. NUNES DE C.	Portugal	73,15	"	4th
Minervino GONZALEZ	Spain	72,79	"	5th
Stefaan DEWAELE	Belgium	70,67	"	6th
Petrus J. WELVAATRS	Holland	64,99	"	7th
Ryoji HIRUGAMI	Japan	64,12	"	8th
David J. EDWARDS	U. Kingdom	51,09	"	9th

Category "B"

Anton BERTSCHART	Switzerland	88,75	marks	1st Gold Medal
John REAL	Ireland	77,90	"	2nd Silver Medal
Walter RABAEY	Belgium	69,95	"	3rd Bronze Medal
Enrique NOQUES EDO	Spain	16,30	"	4th

JEWELLERY.--

August PERCHERMEIER	Germany	85,75	marks	1st Gold Medal
Daniel René SECHAUD	Switzerland	81,10	"	2nd Silver Medal
Albertus PLUGGE	Holland	74,00	"	3rd Bronze Medal
Christopher J. WILLIAMS	U. Kingdom	69,50	"	4th Honry Mention
Miguel FERRANDO	Spain	65,55	"	5th
Robert MANGIROTTI	Italy	59,45	"	6th
Ludo GELDHOF	Belgium	49,65	"	7th
David c. RYAN	Ireland	48,50	"	8th

SILVERSMITHING. -

Peter G. JOHNS	U. Kingdom	86,50 marks	1st Gold Medal
Hans Heimich ZEHER	Germany	76,50 "	2nd Silver Medal
Angel M. RAMOS RUIZ	Spain	43,50 "	3rd.

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Demonstrations and exhibition held in the following trade by the competitor of the indicate countries.

SHOE-MAKING

Pedro CORROTO ALONSO	Spain
José A. DIAZ CANO	Spain
A.C. Gulikers	Holland

TAILORING

Anthוניus J.G. ERNST	Holland
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INSTRUMENT MAKING

D. Chapman	United Kingdom
G. Ward	United Kingdom

HEATING AND VENTILATING

P. Berry	United Kingdom
J. Davies	United Kingdom
D.V. Everett	United Kingdom
D. J. Palmer	United Kingdom
A.R. Stanley	United Kingdom
G. R. Freeman	United Kingdom