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10000/135/556

RADIO & RADAR CO.  
JAN. - MAR. 1947

10000/135/556

RADIO & RADAR COURSES, ITALIAN PERSONNEL  
JAN. - MAR. 1947

MEMORANDUMM.3

Telephone call from Wg Cdr Kendrich P.M. 25 March asking for two officers of Signal Courses to go to U.K. as soon as possible, if agreed to by I.A.M. Course to last six months, cost to be £10 each, Officers to travel in civilian clothes.

Chief of Staff informed on 26 March; also C.S.O. of this H.Q.; and Col de Vincenti C.S.O. at I.A.M.

Informed by C.S.O. this HQ that Major Pelosi G. and Captain Paschini had been selected and by C. S. of I.A.M. that they were planning to leave Rome by B.E.A. on Tuesday 1st April. This information passed to Wg Cdr Kendrich on 26 March 1500 hrs by phone.

*Christiansen*

C. M.M. GRECE  
Wing Commander  
Air L.

27th March 47.

Phone numbers: Mr. Cary Abbey 3411 Ext 3975  
Wg Cdr Kendrick Victoria 8400 Ext 109  
F/Lt Pitchell-Juan Victoria 8400 Ext 21.

Copy for C.S.O. to the Organisations Sig.

*Chikha*

C. M.M. GREECE  
Wing Commander  
Air I.

27th March 47.

Phone numbers: Mr. Cary Abbey 3411 Ext 3975  
Mg. Cdr Kendrick Victoria 8400 Ext 109  
F/Lt Pitchell-Juan Victoria 8400 Ext 21.

*On for C.S.C. to file 27 Mar 1947 S.A./Sgt.*

6 J 74

Sir/Ray 4<sup>th</sup>, have you any comment as to the present  
training of both Spanish (imperialists in Spain) and  
of mechanics?

1. Basis P-4 for Air Report per

MFB 25/2

2.  
Lat Mi. Mels

Dix. Information has been received from HQ that no further training  
can be given in the noble mechanics as young valuable experience in  
working on the vehicles now at Torrejón's operations will be able to gain. At  
expenses on the HQ's at Peñaranda being handled over to the G.A.  
on 3/3/47. & we awaiting an answer from the War to our last letter  
re. sending operation vessels to U.K for training work. 38/2.

2. Basis Post for Air Block pt.

MBS/1

1/11/48

Dig. Information has been received from HQ that no further bombing  
can be given in the north. Mechanics are giving whatever assistance is  
available on the vehicles now at Tonkin. Operations will be able to begin at  
approximately 0800 hrs on 1st April. We have been informed and advised that  
on 31 Mar. we will be awaiting an answer from Air Force to our last letter  
re. sending operations under its U.L. for comment (B.W.H. 38/2).

6 J 78

## ALLIED FORCE HEADQUARTERS

Italian Military Affairs Section  
Air Forces Sub Section  
APO 794

(11)

British Embassy  
To: George C. MAC Secretariat.

Training Courses in the U.S.  
for Italian Personnel.

AFB/CO/700

Ref:

31st March 1947

Date:

Exte 566

I refer to my letter D.A./O/TG/AP dated 10th February 1947 in which I noticed you that the Air Ministry had approved the attachment of Italian Air Force personnel to training courses in the U.S.

2. I have now received a signal from London stating that a letter is in the post which gives full details as to dates and duration of acceptable courses. The signal also calls for two officers to proceed to the United Kingdom as soon as possible in order to attend a signals officer course which will last for six months.
3. Two officers have been selected by the Italian Air Ministry and are sponsored by this office. Their names are Major Rallesi, G. and Captain Paschini.
4. I would be most grateful if you could agree to my making further arrangements with the Italian Air Ministry for the attendance of Italian personnel in basic courses and in particular for the two signals officers named above to proceed by air during this week.

Srs AG Bishop.

A.G. BISHOP  
Air Comptroller,  
Director,  
Air Forces Branch,  
Allied Force Headquarters.

File 5344 | 63

Gh to C.S.O.

6577

(10) A

To : U.S.S.  
Ref ID: Telcommunications Directorate  
Date : 21245/11/12/23-1/518 Call.

Date : 2045 Watch Log

ROUTINE TRADE SOURCES - TELITI INTELLIGENCE

Re: Request to telephone US/INT/5 TELITI'S TELITI'S/AB 03/03/03 via Moron  
to advise concerning personnel of the TELITI's AB POWERS personnel.  
Also re: concerning the subject persons, their names, legal names, and  
connection to the U.S.A. in the course of their

5

CONTROLLER	NAME	TYPE	NAME	TYPE	NAME	TYPE	NAME	TYPE
7/0	ESTATE/INT/5/2/2/0	CONTROLLER	7/0	DISCRETE/INT/5/2/2/0	CONTROLLER	7/0	DISCRETE/INT/5/2/2/0	CONTROLLER
5/4	TELITI'S TELITI'S/AB 03/03/03	CONTROLLER	5/4	TELITI'S TELITI'S/AB 03/03/03	CONTROLLER	5/4	TELITI'S TELITI'S/AB 03/03/03	CONTROLLER
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In risposta al foglio TIGS/4 TR/3-544/SIGS/AT in data 4 Marzo  
T.G.R. si comunicano i nominativi del personale dell'agenzia militare Italiana che complete i corsi di raffineria di  
MILITARE ITALIANA - TIGRIS:

Declassified E.O. 12356 Section 3.3/NND No.

785017

PRENOTATO		VENDUTO		
Addestrato quale:	Grado	V. O III e	Grado	V. O III e
Controllore	Ten. pil.	Monsignore Renato Mansi	Ten. pil.	Monsignore Renato Mansi
Ufficiale tecnico	Cap. A.R.S.	FIRKO Edoardo	Ufficiale tecnico	Cap. A.R.S.
meccanici			meccanici	
Radar			Radar	
Operatori			Operatori	
Radar			Radar	

L'ISPENSORE (Gen. D. - G. B. PIA)

From : Ministry of Defence Air Force  
General Directorate of Telecommunication and  
Aircraft Assistance  
Persons Office

To : A.P.M.S. I.M.A.S. A.I.S.S.

Ref. : 50507/TIL/18/12-2/492 Coll.

Date : 20th March 1947

(9)

RADIO AND RADAR COURSES - ITALIAN PERSONNEL

(7)

Referring to letter I.M.S/A.I.R.S. 554/STGS A.I. hereby names  
of Officers and N.C.O.s designated to take up radio and radar  
courses.

- a) Signals Officers radar: { Col. G.A.r.i. ANTONELLI Luigi  
Lt/Ocl. G.A.r.i. MOTTUSCHI Emilio
- b) Signals Officers Signals course { Maj. A.A.r.n. FELCSI Giuseppe  
Capt. A.A.r.s. PASCINA Eligio
- c) Intermediate Radar: { W/O W. Op. COSTA Bruno  
Serg. Maj. W. Op. PELLOTTI Luigi  
Serg. Elect. MARZU Celso
- d) Radar operating { W/O W.Op. D'AQUINO Antonio  
Serg. Maj. W.Cp. ACRISI Girolamo  
should basic course { Serg. W/Cp. ROSSI Gustavo
- e) R.T. operators: { Serg. W/Op. BELOTTI Pietro  
" " TRADAGNO Pasquale  
" " FANTONI Irizio

*A. 57<sup>th</sup> 22/3/47**5th/Sig  
Inspection Service*Translated by *Sgt. KIAN*INSPECTOR OF TELECOMMUNICATIONS  
(Gen. D.A. G. BARBA)*C.S.O. See & signed 6574 Thank you.  
Chub  
27/3.*


**MINISTERO DELLA DIFESA**  
**MINISTERO DELL'AERONAVTICA**  
*Ufficio Centrale delle Telecomunicazioni e dell'Assistenza del Volo*

REPLICA ITALIANA  
UFFICIO PERSONALE

Foto. 1 50967 / VIII/12/12-2 Roma 20 MAR 1917  
 Oggetto Corsi Radio e Radar - Personale Italiano.  
 Tramite Ufficio Collegamento

1 ALLIED FORCES HEADQUARTERS  
 I.M.A.S.- Air Forces Sub Section  
 A.P.O. 754

S E D E

Si fa riferimento al foglio IMAS/AIR/S.544/SIGS.A.F.-  
 Si trasmettono i nominativi degli Ufficiali e Sottur-  
 ficiali italiani designati a frequentari corsi Radio e Ra-  
 dar in oggetto:

- a) Signals Officers Radar: { Col. G.A.r.i. ANTONICLI Luigi  
                                   T. Col. G.A.r.i. MONTUSCHI Emilio
- b) Signals Officers Signals Course: { Mag. A.A.m PELOSI Giuseppe  
                                   Cap. A.A.rs PASCHINA Eligio
- c) Intermediate Radar: { M.llo Marc. COSTA Bruno  
                                   Serg. Magg. Marc. PELOTTIERI Luigi  
                                   Serg. Elett. MARSEU Celso
- d) Radar Operating Ground Basic Course: { M.llo Marc. D'AQUINO Antonio  
                                   Serg. Magg. Marc. ACRISI Girolamo  
                                   Serg. Marc. ROSSI Gustavo
- e) R.T. Operators: { Serg. Marc. BELOTTI Pietro  
                                   " " GUADAGNO Pasquale  
                                   " " FANTONI Brizio =

L'ISPETTORE DELLE TELECOMUNICAZIONI 6573  
 (Gen. D.A. - G. BARBA)

*G. Barba*

*file*

(8)

From : Allied Force Headquarters, Italian Military Affairs Section.  
Air Forces Sub Section, APO. 794.

To : Italian Air Ministry. Telecommunications Directorate.  
(Attn.: Col. De Vincenti).

Date : 5th March 1947.

Ref. : IAS/ATR/SSA /SIGS/AF.

RADIO AND RADAR COURSES - ITALIAN PERSONNEL.

Attached herewith are copies of reports rendered by the staff of N° 8XXX and N° 15052 A.M.B.S.'s on the courses attended by Italian Air Force personnel at Recinico and Mogliano Veneto. These reports should be treated as confidential.

*awlaysch*

for *L.W. RAY, S/Ldr*  
Air Vice Marshall, Director.  
Air Forces Sub Section,  
T.M.A.S., A.F.H.C.

6572

(9)

From : Allied Force Headquarters, Italian Military Affairs Section.  
Air Forces Sub Section, A.M.O. 794.

To : Italian Air Ministry, Telecommunications Directorate.  
(Attn.: Col. De Vincenti).

Date : 5th March 1947.

Ref. : TAMS/AIR/3544/SIGS.AP.

RADIO AND RADAR COURSES - ITALIAN PERSONNEL.

The following courses in U.K. for Italian Air Force personnel have been approved in principle:-

(a) Signals Officer Radar (Two Officers versed in Radio).  
(b) Signals Officers Signals Course (Two Officers with Radio knowledge).  
(c) Intermediate Radar, followed by Ground Mechanics Radar, followed by instructional technique (Three NCOs).  
(d) Radar Operating Ground Basic Course (Three NCOs).  
(e) R.T. Operators (Three NCOs with R/T experience).

It is requested that names of Officers and NCOs selected for each course be forwarded to this Sub Section as soon as possible.-

*Awkayek.*

A.P. R.A.F., S/Ldr  
for Air Vice Marshall, Director,  
Air Forces Sub Section,  
T.M.A.S., A.F.H.Q.

6571

(6)

From :- Chief Signals Officer,  
Air Headquarters Italy, R.A.F., C.M.F.

To :- A.F.S.C. ROME.

Date :- 27th February 1947.

Ref :- AHQI/S4380/Sigs.

Instruction Given to Italian Air Force  
Personnel at XXX A.M.E.S.

Herewith combined copy of  
Instruction to Italian Air Force  
Personnel at XXX A.M.E.S. compiled by  
F/Lt. G.J. Julien.



*C.J.J.*  
Air Commodore,  
Air Officer Commanding,  
Air Headquarters Italy,  
R.A.F. C.M.F.

6571

From. 8xxx AMES. R. F. C.M.F.  
To . C.S.O. Air Headquarters, ITALY, R.A.F. C.M.F.  
Date. 26th February 1947.  
Ref . 8xxxAMES/500/SIGS.

(6A)

INSTRUCTION GIVEN TO ITALIAN AIR FORCE PERSONNEL AT 8XXX AMES.

Combined lectures for both Ops and Mechs:- Part I. Development of Radar- types of Radar and -i.e. beam and floodlight stations- Use of Radar for reporting and controlling aircraft- Sector operations- Group operations.

Part II.  
Method of measuring distance by means of the Cathode Ray Tube- Knowing speed of electric waves etc- How the Cathode Ray Tube works, I/R Tube, P.P.I. Tube - Differences.

Part III.  
Short lecture on Siting Radar stations.

VISITS. To Sector Ops Room and Type 6 Station at Grado.

OPERATORS:- Practical Instructions.

- (1) Plotting by the Grid system.
- (2) Plotting from the P.P.I. tube.
- (3) Height reading.
- (4) J/R board and Craig Computer.
- (5) Recording.

All operators received individual instruction in the above and were put on day watches with R.A.F. Personnel, when they took over each duty in turn with the exception of actually passing the plot down the line to Operations.

MECHANICS COURSE.

1. Ground Radar : A brief talk on its use and development.
2. Common circuit elements used in Radar Equipments, including,  
Time-base generating circuits,  
The multivibrator,  
The cathode follower.
3. Type 8 Ground Radar.
  - (1) Circuits in detail of the units used in the receiver R3101. Including construction and operation of the I/R and P.P.I. C.R.T.s.  
The receiver Power Units.  
Receiver Controls.  
Interconnection of the various units comprising the R3101 and layout of components.  
Common receiver faults experienced.  
Maintenance of the R3101.  
6504
  - (2) The C.H.L./G.C.I. Transmitter 3079

Page....2

(6B)

Operation of Circuits in detail. Interconnection of the various units comprising the T3079. Layout of units and components. The power interlock in theoretical and practical detail.

Stages of running up the Transmitter.

Transmitter tuning.

Precautions and maintenance required.

Frequency monitoring of the transmitter.

Construction of the major components of the transmitter.

Common faults and lives of the major components.

(3) B.T.H. Turning Gear, Type 3

Location and construction and interconnection of the units involved.

Principles, and detailed operation of the turning gear.

Circuits, in detail.

Common faults arising; maintenance required.

Lining up of P.P.I. Display with aerial.

(4) G.C.I. Aerial System

Common T and R working: principles and practice.

Layout of aerial switching components.

Layout and design of aerials, and feeder line from transmitter, through Faraday

Coupling Box. Feeding of aerial system from feeder line.

Feed to receiver. The receiver pre-amplifier.

Properties of the R.F. cables used.

Practical attainment of high "front to back" ratio.

Switch Unit Type 88; theoretical and practical details.

Theory of height finding with two aerial systems at different heights. Practical details of height finding and switching employed, on a G.C.I. aerial system.

The slipping unit employed in the aerial cabin.

PART 4

The Type 6 I.W. Set

(1) Layout of Units and aerial system.

Electrical interconnections between units.

(2)

The transmitter (T3154B) in practical and theoretical circuit detail.

Layout of the major components. Common faults.

Tuning.

(3) The P.P.I unit including P.P. power pack}

The H/R unit

Receiver (R3118) Section

} in practical and theoretical circuit detail.

} Layout of components. Operation of Controls.

(4) The control unit Type 7, in detail.

(5). Aerial system theory (Yagi Aerials ).

Switch Unit, in detail.

Feed from switch Unit. to aerials, via coupling box.

Aerial turning gear layout.

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Page 3.

PART 5. GENERAL

(6c)

- (1). Calibration of a G.C.I. Station.
- (2). The cossorscope: Oscilloscope Type 7 :- Details.
- (3). Power plants used on a G.C.I. and Type 6 Stations: An outline.

All the personnel attending the course worked hard throughout and showed outstanding interest in their work.

I am confident that the Officers and other ranks who were instructed at this Station, could operate efficiently a Type 8 or Type 6 Radar Station, without further instruction.

*G.J. Julian F/Lt*  
G.J. JULIAN, F/LT  
Officer Commanding  
8xxx AMES. RAF. CMF.

From : Allied Force Headquarters, British Military Airborne Section.  
Air Forces Sub Section, Ad. 794.

To : Italian Air Ministry,  
(Directorate of Telecommunications).

Date : 4th March 1947.

Ref. : TMS/ADM/3544/STC/AF.

RADIO AND RADAR COURSES - ITALIAN PERSONNEL.

It is requested that a nominal roll, giving names and rank of Italian Air Force Personnel who completed the following courses given by the R.A.F. in the north, be forwarded under the following headings to this sub section as soon as possible.

FUNCTION	NO. OF TRAINED	TYPE
Trained as:	None	Name _____ Rank _____ Wing _____
Controller.	_____	_____
Tech. Officer.	_____	_____
Radio Mechanics	_____	_____
Radio Operators	_____	_____

## RADIO AND RADAR COURSES - ITALIAN PERSONNEL.

It is requested that a nominal roll, giving names and ranks of Italian Air Force Personnel who completed the Radar courses given by the R.A.F. in the north, be forwarded under the following headings to this Sub Section as soon as possible.

PISECINGO		LOGLIATO VENETO	
Enrolled as:	Name	Rank:	Name
Controller.			
Tech. Officer.			
Radar Mechanics			
Radar Operators			6506

*Cuthbert*

A. W. MAY, S/Ldr  
FOR AIR Vice Marshall, Director,  
AIR Forces Sub Section,  
T.M.A.S., A.W.M.C.

REPORT ON THE ITALIAN RADAR COURSE. (Six Weeks Instruction).

The above Course took place at No.15052 AMES., from 9th December, 1946, to 7th February, 1947. They were absent for two weeks leave over the Christmas period.

INSTRUCTORS.

Operational - F/Lt. Wesley.  
Technical - F/O. Cartwright.

Section "A".

Six Italian u/t Radar Operators were trained in the following subjects :-

(a) Theory.

- General Theory of Radar.
- Cathode Ray Tubes.
- Operational difference between C.H. - C.H.L.
- C.H.E.L. - GCI Stations.
- V.P.D's and Lobes.
- Duties of Radar Personnel.
- Filter Room.
- Sector Ops. Room.
- Group Ops. Room.
- Fighter Command Grid Reference system.
- Telling procedure - Land Line and W/T.
- R/T Procedure.
- Identification of Aircraft.
- Height Finding.
- D/R Navigation.
- Counting of Aircraft.
- Crew Duties at Interceptions.
- Calibration.
- Simple Aerial Theory/Airborne Radar Equipment.

(b) Practical.

- P.P.I. Reading.
- Height Finding and Counting.
- D/R Navigation.
- Telling - Land Line and W/T.
- Visits to Type 6801 AMES and A.H.Q. Ops. Room.

Instructors Comments.

The Italian u/t Operators showed a remarkable enthusiasm throughout their stay; this factor complied with their high degree of Intelligence compensated greatly for the lack of training facilities and the difficulty of language. The u/t Controller - Lt. Montorsi possessed a fairly fluent command of the English Language, and acted as interpreter throughout.

The lectures covered all subjects necessary to efficient operating - ranging from simple technicalities to precise information on the layout - functions and operating of a Radar Chain. After two weeks of lectures, the operators spent most of their time at the technical site, operating the gear and undergoing practical training under the

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Cathode Ray Tubes.  
 Operational difference between C.H. - C.H.L.  
 C.H.E.L. - G.I. Stations.  
 V.P.D's and Lobes.  
 Duties of Radar Personnel.

**Fitter Room.**

Sector Ops. Room.

Group Ops. Room.

Fighter Command Grid Reference system.  
 Telling procedure - Land Line and W/T.  
 R/T Procedure.

Identification of Aircraft.

Height Finding.

D/R Navigation.

Counting of Aircraft.

Grew Duties at Interceptions.

Calibration.

Simple Aerial Theory/Airborne Radar Equipment.  
(b) Practical.

P.P.I. Reading.

Height Finding and Counting.

D/R Navigation.

Telling - Land Line and W/T.

Visits to Type 6801 AWES and A.H.Q. Ops. Room.

Instructors Comments.

The Italian u/t Operators showed a remarkable enthusiasm throughout their stay; this factor complied with their high degree of Intelligence compensated greatly for the lack of training facilities and the difficulty of language. The u/t Controller - Lt. Montorsi possessed a fairly fluent command of the English Language, and acted as interpreter throughout.

The lecture covered all subjects necessary to efficient operating - ranging from simple technicalities to precise information on the layout - functions and operating of a Radar Chain. After two weeks of lectures, the operators spent most of their time at the Technical Site Operating the gear and undergoing practical training under the supervision of the Controller and the R.A.F. Operators.

Height Finding and D/R Navigation were found to be the two most difficult problems, and consequently they were extensively practiced and lectured on.

At the completion of the course each u/t Operator was sufficiently practiced in the main operating duties, i.e. P.P.I. Reading,  
 Height Finding,  
 Counting,  
 D/R Navigation.



*See File 1  
MHS/MS*

SECTION "B".

Six Italian u/t Radar Mechanics and one Italian Technical Officer were trained in the following subjects:-

(a) Theory.

General description of use and construction of CRT's, their Power supplies and methods of using a PPI Height - Range, etc.

Description of different types of CRT's.

Detailed Lectures on all basic circuits as applied to radar generally.

Aerial theory as applied to Radar, use of transmission lines, standing waves and method of balancing and matching.

Centimeter valves, Magnetrons, Klystrons, and waveguides - leaky waveguides.

Airborne equipment covering general principle of H2S - AI - GEE & IFF. Aerodrome approach beacons - Eureka - 3ABS.

Frequency modulation & SSB transmission circuits used in this type of equipment.

General detailed description of BTH tuning gear & SELSEM motors.

Detailed description of circuits and operation of Type 15 GCI and Type 6 Light Warning Equipment. Survey of VHF R/T Equipment in use with Type

15.

Detailed description of the T/R Switching unit fitted in aerial vehicle of the Type 15.

(b) Practical.

Practical Training was given on spare Radar equipment at the Technical Site.

SECTION "C".Training of Lt. Montorsi as a GCI Controller.

The Italian u/t Controller has not been sufficiently trained to successfully control aircraft in Interception work. During the course he gained a sound theoretical knowledge of Radar, both in the technical and operational side, and undoubtedly learnt far more than the rest of the course. His superior intelligence and command of the English language gave him an outstanding advantage which he took to the full. However, when he came to handling aircraft on the PPI through an interception he showed an excitable temperament and inability to cope with an adverse situation. This however might well be attributed to his attempting the interception in English. Lt. Montorsi certainly has no doubts as to how to carry out interceptions and it is considered that given further practice with a trained Controller he will prove quite capable.

COMMANDING OFFICER'S SUMMARY.

6 J 6 4

Scanning  
Centimeter valves, Magnetrons, Klystrons, and waveguides - Italy  
waveguides.  
airborne equipment covering general principle of H2S - AI - GEE & IFF.  
Aerodrome approach beacons - Eureka - BABS.

Frequency modulation & SSB transmission circuits used in this type  
of equipment.  
General detailed description of BTH tuning gear & SEL/SEM motors.  
Detailed description of circuits and operation of Type 15 GCI and Type 6  
Light Warning Equipment. Survey of VHF R/T Equipment in use with Type  
15.

Detailed description of the T/R switching unit fitted in aerial  
vehicle of the Type 15.

(b) Practical.

Practical training was given on spare Radar equipment at the  
Technical Site.

SECTION "C".

Training of Lt.Montorsi as a GCI Controller.

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and it is considered that given further practice with a trained Controller he will  
prove quite capable.

COMMANDING OFFICER'S SUMMARY.

Considering the many difficulties the course progressed quite smoothly, and  
the fourteen Italians trained as Mechanics - Operators - and the one Controller  
should be quite capable as taking over and running an Operational Radar Unit similar  
to the Mobile Type 15.

The success of the Technical training was largely due to the hard work applied  
by P/O.Cartwright. This Officer gave all the preliminary lectures to both Mechanics  
and Operators for the first week, after which they divided into two, P/O.Cartwright  
dealing with the Mechanics, and Technical Officer-P/Lt.Wesley trained the Operators  
and Controllers. To overcome the language problem, P/O.Cartwright gave all his lectures  
to the Italian Technical Officer in French, who in turn passed this on to his  
Mechanics.

The Operators were more easily dealt with, as the lectures were given to them  
all, and translated by Lt.Montorsi as they progressed.

Once the lectures were over, the Course switched to the Technical Site, the  
Mechanics working on spare equipment, the Operators in the Receiver Room Operating

the tubes and D/R under supervision.

The Controlling side of the Course was the least successful; owing to the bad weather and also to the changing over of the Wing's only two Practice Interception periods were demonstrated. An attempt was made to utilise two Italian pilots to be controlled by Lt. Montorsi, but very unfortunately it had to be abandoned owing to R/T failure. The next attempt was made with RAF pilots and after a bad start Lt. Montorsi controlled them into two interceptions. In spite of this however, this Italian Officer needs considerably more practice before being capable of carrying out successful interceptions without supervision.

It is the opinion of both the Technical Officer and Controller that whilst this course has been of great value to the Italians by way of an introduction to Radar, and whilst they should possess a sufficient working knowledge to operate an existing station, they can in no way be considered fully trained Radar Mechanics and Operators.

*[Signature]* P/Lt.  
Officer Commanding,  
No. 15052 AMES. R.A.F. C.M.F.

656?

(3A)

Air Ministry, London.  
Copy to Air Headquarters, Italy.

THAS/80/Tng/AF.

Courses in U.S. for I.A.F. personnel.

21/6/1967.

Reference is made to Air Headquarters letter ARB/367/Tng dated 20 June 16.

2. It is understood that approval has now been given in principle to the attendance of I.A.F. personnel on Shorts Engineering and Flying Courses in the United Kingdom but so far no notification to that effect has been received at this Sub-Section.
3. Lists of names have been received from the Italian Air Ministry and as soon as the detailed arrangements will have been notified by you it will be possible to send the students to the United Kingdom by air.
4. In particular reference to the Radar and Signals courses the Italian Air Ministry has notified that they cannot fill all the vacancies with English speaking Italian personnel and has accordingly requested that a small number of naval personnel may be included to make up the quota. This will include two Italian Naval officers and four ratings. It is requested to notify this sub-section as soon as possible as to what or whom Italian naval personnel may be included in the lists of pupils.

Chmkt.

FOR C.M.C. GUARD 8/68.  
Air Vice Marshal,  
Director,  
Air Forces Sub Section.

Copy on File THAS/Air/Sig/80/Tng.

Note /subcribed ARB (n. 80/Tng) to send copy to Navy 33.

19/6  
P.M.

6561

(2A)

To : Allied Forces Headquarters, Italian Naval Affairs Section,  
Air Forces Sub Section, A.P.C. 701.

To : Italian Naval Ministry - Cabinet.

Date : 5th February, 1947.

Ref. : C.R.A.S/AIR/1.5/6/100/AF.

(1A)

DAVID ATTENBOROUGH - 100/102/100/AF.

Reference is made to your 180/2 dated 27th January  
1947.

Approval for Italian Air Force personnel to attend  
the above courses in England is still awaited from the Air  
Minister in London.

No confirmation can be given that Italian Naval  
personnel will be allowed to attend these courses should  
approval be given for the attendance of A.A.F. personnel.  
Approval will be requested however and it is felt that  
there will be no objection.

Cawdron

A.A.F., S/ldr  
for Air Vice Marshall, Director,  
Air Forces Sub Section  
L.M.A.F., A.P.C.Q.

Copy to:-

Italian Air Ministry  
Directorate of Telecommunications.

Naval Sub Section, Italian A.A.F.

A.A.F.

For Sir

Sir, you take action  
with Br A.F. (direct & copy to AFHQ) info M  
with Br A.F. (direct & copy to AFHQ) info M  
refer to previous correspondence  
concerning the proposed course  
understanding that proposal by Br A.F. through  
has been approved by Br A.F. thru AFHQ info M  
no. 100 11/2

From : Naval Ministry  
Cabinet.

To : A.T.S.C. A.G., Rome.  
and for information:  
Navy Sub-Commission

Ref. : 1026/2

Date : 27th January 1947

IA

Subject: REFRESHER COURSES ON T.I. AND RADAR TO BE HELD IN ENGLAND.

1) Following invitation from the A.T.S.C., Italian Air Headquarters will very shortly, send a number of Air Forces personnel to England, to take up a refresher course on T.I. and Radar.

These courses are to start at the end of the month.

2) Considering that owing to language difficulties (the courses are to be held in English), Italian Air Headquarters could not find the number of qualified personnel to fulfill the number of vacancies allocated by the A.T.S.C. (5 officers, 10 O.R.), it suggested that the Navy Headquarters chose two officers and 4 R.O. to cover the vacancies as follows:

Officers : 1 for Radar Course

1 B.C.L. Course

O.R. : 1 stores, workshop mechanic course

2 wireless mechanic courses

1 Instructor's course.

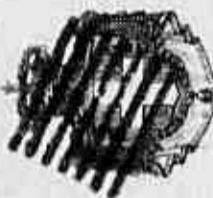
3) It would be greatly appreciated if the A.T.S.C. kindly authorizes Naval personnel to make most of the courses offered as per above.

by Order

Translated by Sgt. P. MCAN

gpm  
1/2



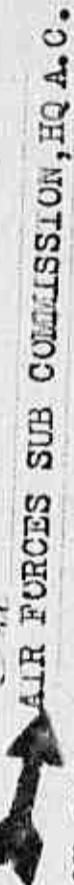


Mod 39

Roma, 27 GEN 1947

Ministero della Marina

GABINETTO



INDIRIZZO TELEGRAFICO MARINA - ROMA

Trat. N. 1399/2 Megad. =

ARGOMENTO Corsi di aggiornamento su apparati R.T. e Radar  
in Inghilterra.

**URGENTISSIMO**

e, per opportuna conoscenza:

NAVY SUB COMMISSION, HQ.A.C.

1. Lo Stato Maggiore dell'Aeronautica, su invito di codesta Air Forces Sub Commission, invierà prossimamente in Inghilterra un'aliquote del suo personale per frequentare corsi di aggiornamento su apparecchi R.T. e Radar, i quali avranno inizio alla fine del corrente mese.

2. Poiché lo Stato Maggiore dell'Aeronautica, a causa delle difficoltà derivanti dal fatto che i corsi si svolgeranno in lingua inglese non ha trovato personale sufficiente a ricoprire i posti messi a disposizione da codesta Air Forces Sub Commission, (6 Ufficiali, 15 Sottufficiali o truppe), ha proposto allo Stato Maggiore della Marina di prescindere fra il personale della Marina Militare due Ufficiali e quattro Sottufficiali, così suddivisi:

UFFICIALI: 1 posto per corso Radar.  
1 posto per Corso Intercettazione (G.C.I.).

SOTTUFFICIALI: 1 posto per corso Meccanici officine e magazzini.  
2 posti per corso meccanici appurati di bordo.  
1 posto per corso istruttori.

3. Si prega pertanto codesta Air Forces Sub Commission di autorizzare le partecipazione ai corsi suddetti da parte del personale della Marina Militare sopra specificato.

d'ordine  
IL CAPO DI GABINETTO

Dom. 1899/2 Mese, =

ARGOMENTO Corsi di aggiornamento su apparecchi R.T. e Radar  
in Inghilterra.

## URGENTISSIMO

1. Lo Stato Maggiore dell'Aeronautica, su invito di codeste Air Forces Suo Commission, invierà prossimamente in Inghilterra un'aliquota del suo personale per frequentare corsi di aggiornamento su apparecchi R.T. e Radar, i quali avranno inizio alla fine del corrente mese.

2. Poiché lo Stato Maggiore dell'Aeronautica, a causa delle difficoltà derivanti dal fatto che i corsi si svolgeranno in lingua inglese non ha trovato personale sufficiente a ricoprire i posti messi a disposizione da codesta Air Forces Sub Commission, (6 Ufficiali, 15 Sottufficiali o truppe), ha proposto allo Stato Maggiore delle Marine di prescindere fra il personale della Marina Militare due Ufficiali e quattro Sottufficiali, così suddivisi:

UFFICIALI: 1 posto per corso Radar.  
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SOTTUFFICIALI: 1 posto per corso Meccanici officine e magazzini.  
2 posti per corso meccanici apparati di bordo.  
1 posto per corso istruttori.

3. Si prega pertanto codeste Air Forces Sub Commission voler autorizzare la partecipazione ai corsi suddetti da parte del personale della Marina Militare sopra specificato.

d'ordine  
IL CAPO DI GABINETTO 6/5/4  
C. di V. G. MARINI



