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EUROPEAN COMMISSION ON FORESTRY AND FOREST PRODUCTS

FOURTH SESSION

from 1 to 6 October 1951

R O M E

NOTE OF THE SECRETARIAT

on

LOGGING TECHNIQUES AND TRAINING OF FOREST WORKERS

(Item 7 of the Provisional Agenda)

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At its Third Session, the European Commission on Forestry and Forest Products made several recommendations relating to Logging Techniques and Training of Forest Workers. One of these recommendations was to set up a specialized Sub-Commission to deal with those questions mentioned above.

It has not as yet been possible to convene this Sub-Commission owing to the transfer of FAO headquarters from Washington to Rome and to a resulting temporary shortage of staff. The Secretariat, however, has been carrying out to the best of its ability the recommended program of work and effective measures have been undertaken for its continuation and proper organization.

The main tasks which have been accomplished and those which are still to be performed before convening the Sub-Commission are indicated below:

I. - PAST ACTION

1) Preparation of a catalogue of tractors and other equipment.

The Commission commended the preparation by the Division in August 1950 of a provisional catalogue of tractors. It also decided that the work should be continued. Furthermore, the FAO Conference considered that information on types of equipment and where they are obtainable would be extremely useful to member governments, especially insofar as the Expanded Technical Assistance Program is concerned.

The Equipment Section of the Division has therefore prepared and sent a questionnaire to all manufacturers of tractors, requesting such specifications as are considered necessary to summarise the characteristics of the different models of wheeled and crawler-type tractors, such as: dimensions and weight, size of tires, motor characteristics (number of cylinders, revolutions per minute), type of fuel employed, fuel consumption per hour, forward and reverse gear speed, HP, price ex factory; name and address of manufacturer should also be given.

The Division is now examining the data received so far in order to present them in a single form; they will be expressed in Anglo-American measurements and metric units. Unfortunately, the data are not yet complete, but the catalogue will certainly be ready by the beginning of October.

2) List of specialists in member countries

The European Commission on Forestry and Forest Products recommended at its Third Session that a list of specialists in member countries should be prepared, and revised every year.

The Secretariat is presenting two lists, as shown in Annex I. There is first a list of members of the Research Section n.32 of the International Union of Forest Research Organizations, which includes certain scientific organizations engaged in the study of working methods. The second list comprises the names of the experts being considered under FAO's Technical Assistance Program, the majority of whom are experienced technicians.

Nevertheless, these two lists do not entirely meet the request of the Commission, since each list was drawn up with a different purpose in view. At a later date, however, the Secretariat will have complete lists made out and circulated to member countries.

3) Cooperation with certain services of FAO and of other International Organizations.

In the course of its Third Session the Commission drew up a program covering a wide field of activities which are connected with the work of certain services of the FAO and of other International Organizations. Within the FAO itself, the Equipment Section of the Forestry Division and the Farm Machinery Section of the Agriculture Division, are already dealing with questions of equipment. The International Labour Office is concerned with educational matters (training of forest workers), the International Union of Forest Research Organizations with the Scientific aspects of forest work, and the Economic Commission for Europe (Industry and Materials Division) with problems of a very technical character, such as transport equipment.

In order to facilitate future work and to avoid any possible overlapping, the Secretariat has established contacts with the services and the Organizations mentioned above, with a view to laying down the extent of their collaboration and outlining clearly their respective fields of activity. The results of the conversations held with all these services and organizations have been satisfactory.

a) Equipment Section (Forestry Division of FAO) and Farm Machinery Section (Agriculture Division of FAO):

On a world-wide scale, the following responsibilities are entrusted to the Equipment Section of the Forestry Division: advice and assistance to governments to promote the use of the most suitable equipment and machinery for the economic utilization of forest resources and for the efficient industrial conversion of forest products; collection of information from manufacturers on all categories of equipment, analysis and publication in catalogue forms; contacts with appropriate manufacturers; efforts to secure international comparability of performance tests and field trials, and to make within FAO a documentation Centre on forestry equipment.

The possibility is also being considered of organizing in the future a world technical Committee on Equipment to serve as an advisory board in recommending new types of equipment or modification to existing types.

On a European scale, and for particular studies, the Sub-Commission will take part in this wide sphere of activity and a continuous liaison should be maintained between the Sub-Commission's Secretariat and the Equipment Section.

The Farm Machinery Section of the Agriculture Division is dealing with analogous matters in the domain of agriculture. As occasion warrants the Equipment Section might act as liaison between the Sub-Commission and the Farm Machinery Section.

b) International Labour Office

The International Labour Office is, inter-alia, the international authority for matters relating to the training of workers. The Secretariat therefore has taken the initiative of establishing a very close co-operation with this Organization as far as the training of forest workers is concerned. It has been agreed that the International Labour Office will be responsible for questions particularly concerned with the technique of instruction, that is to say, methods as well as organization of teaching, comparison of training programs, etc... The FAO will be working in close co-operation with the ILO in order to ensure that instruction is carried out as a definite training in forestry.

The reports which the ILO will draft on this subject will be submitted for discussion either to the Sub-Commission or to the European Commission on Forestry and Forest Products.

Work relations with this Organization started in the summer of 1950.

In order to ensure a close co-operation, it will also be necessary to extend an invitation to a representative of the ILO to attend the meetings of the European Commission on Forestry and Forest Products and of the Sub-Commission responsible for the training of forest workers.

c) International Union of Forest Research Organizations :

Within this Union there exists a Research Section entirely given over to the questions under discussion. This is Section 32, "Operational Efficiency". As a result of conversations held with Professor BURGER of Zurich, President of the Union, it became apparent that it would be impossible to define immediately and in detail the activities which would be the particular responsibility of FAO from those of the Union. It has, therefore, been recommended that the respective fields of activity should be defined for each individual case, in accordance with the main directives agreed jointly by the Union and FAO; namely, while the scientific aspects of the studies should be the responsibility of the Union, FAO should assume responsibility for the solution of practical problems.

It is quite clear that the proposed co-operation would not be successful unless the Leader of the "Operational Efficiency" Section of the Union and, if need be, other members and experts of the Union are invited to take part in the meetings of the Sub-Commission on Logging Techniques and Training of Forest Workers, and vice-versa.

d) Economic Commission for Europe (Industry and Materials Division) :

The Economic Commission for Europe has been following the development of agricultural tractors for the last few years. Its activities cover all technical questions specially concerned with agriculture as well as studies on manufacturing capacity and on the distribution of tractors for use in this field. Problems of forest economics are to a great extent similar to agricultural ones; therefore, co-operation with the Industry and Materials Division of the Economic Commission for Europe can be particularly valuable for the work of the proposed Sub-Commission which has been charged with the study of extraction equipment.

Conversations with the Industry and Materials Division have shown that such collaboration might be achieved in the following way : it would be the responsibility of FAO, that is to say of the proposed Sub-Commission, to define the technical specifications usually required by forest transport equipment. On the other hand, it would fall to the Industry and Materials Division to encourage manufacturers

of transport equipment to adapt production to the specific needs of forestry, to increase output and simplify production methods, in order to reduce manufacturing costs, and to pursue related questions and the testing of materials. Nevertheless, such investigation cannot be carried out by FAO without the complete co-operation from the Sub-Commission and the member Governments of the European Commission on Forestry and Forest Products. Therefore, it will be the responsibility of the European Commission on Forestry and Forest Products to consider the utility as well as the feasibility of such investigation and make all useful recommendations concerning this matter.

In the course of the Session, the Secretariat will perhaps be able to report to the Commission about the methods followed and the difficulties encountered in carrying out similar studies elsewhere, especially in the United States.

II. - FUTURE ACTION OF THE SUB-COMMISSION ON LOGGING TECHNIQUES AND TRAINING OF FOREST WORKERS

1) Work Program.

During the Third Session of the European Commission on Forestry and Forest Products the field of activity of the proposed Sub-Commission was outlined. Nevertheless, its responsibilities were not precisely defined. It therefore seems advisable to do so in the course of this Session. The Secretariat submits the following proposal as a basis for discussion of this point :

" The Sub-Commission is responsible for organizing international collaboration in the field of felling, logging and timber transport in order to support national efforts aimed at increasing labour productivity, reducing the accident rate and improving the standards of living of forest workers. The Sub-Commission is authorised to establish Working Groups for the study of special problems. "

2) Future activity of the Sub-Commission.

It is proposed to convene the Sub-Commission for the first time at the beginning of 1952.

The first meetings of the Sub-Commission will probably be devoted to setting up its Work Program in detail. With this in view, the Sub-Commission would first need to be informed of the work already accomplished in the member countries; it would then examine the basis for future activities. With the information assembled it may then be possible to establish the Sub-Commission's methods of work.

In order to facilitate discussions of the first meeting, the Secretariat will endeavour to assemble some of the information mentioned above and to submit it to the Sub-Commission together with a rough draft of the Work Program.

ANNEX ILISTS OF SPECIALISTS IN WORK EFFICIENCYA - LIST OF MEMBERS OF SECTION 32 "OPERATIONAL EFFICIENCY" OF THE INTERNATIONAL UNION OF FOREST RESEARCH ORGANIZATIONS

<u>Name</u>	<u>Institute</u>
- ARC, Paavo, Professor der Forsttechnologie	Forstliche Forschungsanstalt, Unioninkatu 40 A, HELSINKI, Finland.
- POPOVIC, Dusan	Institut de Recherches Forestières, Rue Teodor Dragze 2, BEOGRAD, Yugoslavia.
- HEISKANEN, Veijo Master of Forestry, Senior Assistant.	Forstliche Forschungsanstalt, Unioninkatu 40 A, HELSINKI, Finland.
- SAMSET, Ivar, Head of the Technical Section.	Norwegian Forest Research Institute, VOLLEBEKK, Norway.
- HELLINGA, G. Dr. Ir, Action Director.	Bosbouwproefstation, BUITENZORG, Java.
- STEINLIN, Hansjürg Forsting. Leiter der Abt. f. d. Arbeitstechnik.	Eidg. Forstl. Versuchsanstalt, Tannenstrasse 11, ZURICH, Switzerland.
- KOOLS, Jannis François Prof. Dr. Ir.	Forest Exploration and Forest Policy Agricultural University, Rijksstraatweg 64, WAGENINGEN, Netherlands.
- FLATSCHER, Herman, Prof. Dr.	Hochschule für Bodenkultur, WIEN 18/110, Austria.
- MAC GREGOR, James, Forest Economist.	Department of Forestry, University of Oxford, OXFORD, England.
- ELISOP, F. Officer-in-Charge.	Forestry Research Institute, P.O. Makarawana, ROTORUA, New-Zealand.
- HOLMES, Cyril Senior Assistant, Conservator of Forests, Research and Education.	P.O. Box 500, COLOMBO, Ceylon.

B - PRELIMINARY LIST OF EXPERTS IN WORK EFFICIENCY BEING CONSIDERED
UNDER FAO'S TECHNICAL ASSISTANCE PROGRAM.

AUSTRIA :

MIEDLER, Karl Alois, Gusshausstrasse 14, Wien IV, Austria.

AUSTRALIA :

SHILLINGLAW, A.W., Forests Commission, Melbourne, Australia.

CANADA :

CARLISLE, Kenneth Wilfred, Hotel Iroquois, Iroquois Falls,
Ontario, Canada.

GILMOUR, John Douglas, 5823 McLynn Avenue, Montreal 29, Canada.

KINGSTON, Guy Alexander, 126, Stanley Ave., Ottawa, Canada.

NIX, Leon Allen, P.O.Box 282, Port Credit, Ontario, Canada.

SCHULTZ, Charles Davies, B 102, 325 Howe Street, Vancouver,
B.C., Canada.

CZECHOSLOVAKIA :

CERMAK, François Jean, Martillac (Gironde), France.

FINLAND :

ARO, Paavo, Helsinki, Unionink. 40 B, Finland.

OHRLING, Werner, Rovaniemi, Finland.

VORY, Jaakko T., Minna Canthinkatu 16, Helsinki, Finland.

FRANCE :

ALLOUARD, Pierre, 61, Avenue de Saxe, Paris-7ème, France.

DECAMPS, André Claude, 5, Avenue Rodin, Paris-16ème, France.

NAISSANT, Henri, 3, rue Delbet, Paris-14ème, France.

GERMANY :

GLASER, Hans, Kassel-Harleshausen, Am blauen See, Germany.

MUELDER, Dietrich, Hann. Muenden, Hellenbergstrasse 5, Germany.

REISSINGER, Gottfried, Grafrath/Amper, Haute Bavière, Germany.

VOLKERT, Erik, Hann. Muenden, Schedenerweg 4, Germany.

ITALY :

GIORDANO, Carlhelmo, Piazza Edison 11, Firenze, Italy.

MOSER, Luciano, 13, Via M. Pacher, Bolzano, Italy.

NETHERLANDS :

VAN DEN BLINK, Gerard C., Dir. Gen., Gede, Bogor, Indonesia.
HOFMAN, G.H.B., Kantor Besar Djawatan Kehutanan Djakarta, Indonesia.
JUTA, Edward Henri P., Djalan Tangkuban perahu, 15, Bogor,
Java, Indonesia.
VAN DER MEULEN, Rimmer, 63, Witte Singel, Leiden, Holland.
RAAD, Andr , 10, Julianalaan, Utrecht, Netherlands.
VAN DE WEERD, Peter C., c/o. Djawatan Kehutanan pusat,
Djakarta, Indonesia.
VAN WINKOOP Willem, Djawatan Kehutanan, Djakarta, Indonesia.

NORWAY :

ANDERSEN, S nnik, Suhmsgt. 23 b, Oslo, Norway
F YN, Per : Elverum, Norway.

SWEDEN :

LARSSON, Johan, Firma Floor, Linnevagen 6, Gavle, Sweden.
LUTHMAN, G sta, Marma Langrors AB, S derhamn, Sweden.

SWITZERLAND :

HAUSER, Armin, Soci t  Agricole du Mayumbe, SCAM, Matadi,
Congo Belge.
HUBER, Alfred, Reichenbach I.K., Switzorland.
TANNER, Heinrich, Oberhofstettenstr. 25, St.Gallen, Switzerland.
VIGLEZIO, Giacomo, via San Gottardo, Bellinzona, Switzerland.

THAILAND :

WANARAKS, Phya Anuwat, 41, Rama I Road, Patumwan,
Bangkok, Thailand.

UNITED KINGDOM :

DESCH, Harold, Ernest, Reform Club, Pall Mall,
London, S.W.1, England.
FEELY, Charles Allen, 2, Links House, Madeira Road,
West Byfleet, Surrey, England.
RULE, Alexander, "The Spinney", Coombe Hill Rd.,
East Grinstead, England.
SMITH, Kiars, Saint Martins, St. John C.N.B.

UNITED STATES :

BINDER, Charles D., 155, West 84th Street,
New York City, U.S.A.

HALL, J.A., 423, United States Court House, Main Street
and Sixth Avenue, Portland 5, Oregon, U.S.A.

HORN, Eugene F., Caixa Postal 288, Santo Andre,
E.F.S.J. Estado de Sao Paulo, Brazil.

LAMB, Frank Bruce, Inter-American Institute of
Agricultural Sciences, Turrialba, Costa Rica.

PEARCE, John Kenneth, College of Forestry,
University of Washington, Seattle 5, Washington.

