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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

**TECHNICAL WORKING PARTY
FOR
FRUIT CROPS****Thirteenth Session
Faversham, United Kingdom, September 29 to October 1, 1982**

DRAFT REPORT

prepared by the Office of the UnionOpening of the Session

1. The thirteenth session of the Technical Working Party for Fruit Crops (hereinafter referred to as "the Working Party") was held at Faversham, United Kingdom, from September 29 to October 1, 1982, with Subgroups on Strawberry and on Avocado meeting at the same place on September 28, 1982. The list of participants appears in the Annex to this report.
2. Mr. Ingram, Director of National Fruit Trials, Brogdale Experimental Horticulture Station, welcomed the participants to his office in Faversham. The session was opened by Dr. G.S. Bredell, Chairman of the Working Party.

Adoption of the Agenda

3. The Working Party unanimously adopted the agenda of the thirteenth session as reproduced in document TWF/XIII/1.

Adoption of the Report of the Twelfth Session

4. The Working Party unanimously adopted the Report of the twelfth session as appearing in document TW/45, after having replaced the wording of the second sentence of paragraph 10 by the following: "The Working Party considered an exchange of those lists at Technical Committee level inappropriate unless they had been discussed before in the Technical Working Party responsible for the species concerned."

Report on the Seventeenth Session of the Technical Committee

5. Dr. M.-H. Thiele-Wittig gave a short account of the previous session of the Technical Committee, the report of which is reproduced in document TC/XVII/5, restricting himself to the main subjects discussed.

Reports of Experts on Progress Made with Plant Breeders' Rights in Fruit Species

6. The experts presented some written statements but did not consider it necessary to reproduce them in the Annex to this report, as the exchange of lists of varieties under test had by then started between the Offices of the member States. Thus in future there would no longer be an exchange of lists of varieties of fruit species only. The Working Party did however recommend to the Technical Committee that it should agree on a distribution of the lists of varieties under test to be made by the Office of UPOV. Furthermore the possibility of the Office of UPOV drawing up and circulating one consolidated list of varieties under test should be studied.

Test Guidelines for Apple

7. The Working Party noted that no comments had been received on the draft Test Guidelines for Apple (TG/l4/2(proj.)) from the professional organizations, but that some had from the experts from France, being reproduced in document TWF/XIII/7. It rediscussed document TG/l4/2(proj.), and made the following main changes to the document in the process:

(i) Changes made in the Technical Notes:Technical Notes

- 12 to have the words "10 to 15" replaced by "10"
- 13 to start with an additional sentence reading: "All observations on the leaf should be made on the current season's shoot." and to have the word "July" replaced by "summer."
- 14 the last sentence to read: "The fruits should be examined at peak ripeness."

(ii) Changes made in the Table of Characteristics:Characteristics

- 12 to have the figure for the average deleted
- 14, 15, 16, 17, 20, 21, 30, 39, 49, 50, 51, 52, 60, 61, 62, 63, 64 to have the bracketed part deleted
- 14 to be placed before characteristic 12
- 15 to read: "Styles: length compared with stamen"
- 16 the word "Styles" to be made singular
- 18 to have the reference to characteristic 17 deleted
- 19 to read: "Leaf blade: indentation of margin (as for 18)"
- 20 to read: "Leaf blade: glossiness of surface" with the states "weak, medium, strong"
- 23 to be amended as proposed in document TWF/XIII/7, but with the additional states "long conical, ellipsoid conical, ellipsoid"
- 42 to have the word "basin" replaced by "cavity"
- 49 to have the states "yellow, whitish yellow, green-yellow, whitish green, green"
- 51 the fourth state to read "brownish"
- 58 to have the contents of the brackets deleted, except for the words "about one hour after being cut"
- 59 to have the reference to characteristic 58 deleted

65, 66 to be combined in one characteristic reading: "Fruit: flavor of flesh" with the states "absent or very weak, weak, medium, strong, very strong"

(iii) During the session several additional example varieties were mentioned. The expert of the United Kingdom will also furnish several more example varieties, especially for quantitative characteristics. The Office of UPOV will then draw up a new working paper in the light of the results of the discussions at the session.

Test Guidelines for Citrus

8. The Working Party noted that no comments had been received from the professional organizations on the draft for Test Guidelines for Citrus (TG/83/1(proj.)). However, the experts from South Africa had made several remarks, which are reproduced in document TWF/XIII/4. The Working Party thus finally agreed to present the draft Test Guidelines for Citrus to the Technical Committee for final adoption after the following changes had been made in document TWF/XIII/4:

(i) Changes made in the Technical Notes:

Technical Notes

- 1 to have the words "to be tested on a standard rootstock" deleted from this paragraph
- 3 to have an additional sentence reading: "All observations should be made on four trees and a standard rootstock should be used for each group."
- 11 to have the words "active flush" replaced by "active growth (flush)"

(ii) Changes made in the Table of Characteristics:

Characteristics

- 4 to read: "Leaf blade: cross section (predominant situation)" with the states "straight (1), concave (2)" and no longer to have drawings for explanation
- 6 to have the additional mandarin example variety "Satsuma Clausenina (5)"
- 8a to be deleted unless the experts from South Africa supply example varieties
- 19 to have the states "pink blush, red blush" changed back to "pink, red"
- 25 to have the additional orange example varieties "Navelate (1), Valencia (9)" and mandarin example variety "Clementina Arrufatina (1)"
- 26 the experts from Italy to supply example varieties
- 27, 28 to be deleted
- 30 to be placed before characteristic 29 and to receive the additional mandarin example variety "Kara (3)"
- 51 to have the bracketed part deleted

Test Guidelines for Japanese Plum

9. The Working Party noted that no comments had been received from the professional organizations on the draft for Test Guidelines for Japanese Plum

(TG/84/1(proj.)). It therefore agreed to present the document to the Technical Committee for final adoption after having made the following main changes in its Table of Characteristics:

Characteristics

- 9 to be deleted
- 25 to be placed before characteristic 21
- 35 to read: "Fruit: shape of apex" with the states "pointed (Moretini 355) (1), flat (2), depressed (3)"

Test Guidelines for Strawberry

10. The Working Party started revising the Test Guidelines for Strawberry on the basis of documents TG/22/3, TWF/XIII/2 and TWF/XIII/7, as well as a report on the session of the Subgroup on Strawberry which had met on September 28, 1982. It finally agreed on the following main changes to document TG/22/3:

- (i) Changes made in the Technical Notes:

Technical Notes

- 1 to 9 to have the wording aligned on that of more recent Test Guidelines, e.g. those for Citrus
- 1 to have the words "visually recognizable" deleted and the words "and Phytophthora cactorum" added at the end of the paragraph
- 7 to have the word "organs" replaced by "plants or plant parts"
- 8 to be deleted
- 9(e) to read: "Unless otherwise indicated, all observations on the fruit should be made on secondary fruits of one-year-old plants"

- (ii) Changes made in the Table of Characteristics:

Characteristics

- 2, 3, 7, 8, 11, 12, 13, 14, 18, 19, 25, 36, 37, 38, 40, 44, 50, 51, 52, 53, 58, 71, 75 to be deleted
- 21, 26, 45, 46 to have the asterisk deleted
- 29, 42, 55 to receive an asterisk
- 22, 34, 47, 48, 54, 56, 65, 66, 67 to have the predominant situation observed
- 23, 24, 26, 28, 31, 39, 61, 71, 72 to be checked further
- 1 to read: "Plant: habit" with the states "globose, flat globose, flat"
- 4 to have the states "weak, medium, strong"
- 9 to read: "Leaf: cross section" with the states "concave (1), slightly concave (2), flat (3), convex (4)" and with drawings to be made by the expert from the Federal Republic of Germany
- 10 to read: "Leaf: blistering of upper side" with the states "weak, medium, strong"
- 20 to receive the additional state "much broader than long (1)"
- 27 to have the additional states "absent or very weak (Elista), very strong"

- 28 to read: "Stipule: size" with the states "small, medium, large"
- 30 to have an additional characteristic inserted after it, reading:
"Stolon: intensity of anthocyanin coloration" with the states
"weak, medium, strong"
- 32 to have the additional example variety "Hapil (7)"
- 49 to have the state "very obtuse" deleted
- 57 to have the additional state "very marked"
- 59 to have the word "seeds" replaced by "achenes" and the additional
state "very marked"
- 60 to read: "Fruit: unevenness of surface" with the states "absent or
very weak, weak, medium, strong, very strong"
- 61 to have the states "whitish yellow (1), orange red (2), vermil-
lion (3), purple red (4), crimson (Korona) (5)"
- 63 to read: "Fruit: distribution of color" with the states "un-
even (1), slightly uneven (2), even (3)"
- 64 to have the states "weak, medium, strong"
- 65 to have the example variety "Rupine" replaced by "Tago"
- 67 to have the example varieties "Sengana" and "Georg Soltwedel"
replaced by "Elvira" and "Bounty"
- 69 to read: "Fruit: adherence of calyx" with the states "weak, medium,
strong"
- 70 to have the additional states "very soft, very firm"
- 73, 74 to have in addition to these characteristics a characteristic read-
ing: "Fruit: taste" with the states "very acid (1), acid (3),
medium (5), sweet (7), very sweet (9)"
- 76 to read: "Fruit: size of cavity"
- 80 to read: "Type of bearing"
- (iii) Paragraph 5 of the Technical Questionnaire would name only charac-
teristics 35, 55, 56, 61, 79 and 80.
- (iv) The Office of UPOV would draft a new working paper taking the
above-mentioned changes into account. Comments on this working
paper should be sent to the Office of UPOV before the end of June
1983.

Test Guidelines for Kiwi Fruit

11. The Working Party continued discussing the working paper on Test Guide-
lines for Kiwi Fruit on the basis of a draft dated 1981-05-15 and made the
following main changes to that document:

(i) In paragraph 11 of the Technical Notes the words "fully developed"
should be added after the word "first."

(ii) Changes made in the Table of Characteristics:

Characteristics

- 6 to be checked by the experts from Italy
- 8 to be checked for the possibility of russet being also absent

- 14 to have the last state deleted
- 27 to have the word "spines" replaced by "spiny ciliation"
- 28 to have the example varieties for Notes 3 and 4 checked
- 38 to have an additional characteristic inserted after it, reading: "Flower: number of stamens" with the states "few, medium, many"
- 44 to have the states "very sparse, very dense" deleted and the indicated example varieties being always given one Note less
- 46, 49, 51 to be checked with respect to the indication of states of expression and example varieties
- 49 to have the spelling of "columella" corrected; after this characteristic a new characteristic to be inserted reading: "Fruit: main color of flesh" with the states "whitish (1), greenish (2)"
- 15, 16, 41 to have further drawings made for explanation
- (iii) In addition to everyone checking the working paper again, the experts from Italy, New Zealand, South Africa and the United States of America would be asked especially to check the working paper and make proposals for the states of expression still missing for certain characteristics, the inclusion of asterisks (*) and the completion of the Technical Questionnaire by the end of June 1983.

Test Guidelines for Avocado

12. The Working Party had no time left to hear the report of the Subgroup on Avocado or to discuss the working paper on Test Guidelines for Avocado. The Office of UPOV was therefore asked to prepare a new working paper for the next session of the Working Party, taking into account all the proposals made by the Subgroup.

Universal List of Characteristics of the Genus Vitis

13. The Working Party noted a short report on a joint meeting of experts from UPOV, the International Wine and Vine Office (IWO) and the International Board for Plant Genetic Resources (IBPGR), which was held at Colmar (France) to discuss the establishment of a harmonized list of characteristics for Vine. However, as it had not yet received the final document drawn up by the International Wine and Vine Office, it postponed its discussions to a future session when the document would be available.

IBPGR's Descriptor List for Almond

14. The Working Party noted document TWF/XIII/6, containing a comparison made by the experts from the Netherlands of the UPOV Test Guidelines for Almond with the Almond Descriptor List prepared by the International Board for Plant Genetic Resources. It saw no need at present to revise the UPOV Test Guidelines for Almond, but it did stress the need for improved contacts between UPOV and the IBPGR and other bodies that produced documents comparable to the UPOV Test Guidelines. It asked the Technical Committee to invite those of their national experts who participated in the work of any such bodies to inform the UPOV Office of any such work that might be in progress, in order that it might circulate the information to the other member States. The other member States would then be asked to contact in their countries those of their national experts who worked in that body and inform them on the work done by UPOV in the same field.

Stages of Test Guidelines

15. The Working Party agreed that the first drafts for Test Guidelines for Citrus and for Japanese Plum should be sent to the Technical Committee for final adoption.

16. Owing partly to lack of time and partly to questions to be checked further at national offices, it was not possible to complete the discussions on the working papers on Test Guidelines for Strawberry (revision), for Kiwi Fruit, for Persimmon, for Quince, for Avocado or for Apple (revision), the latter having in future to cover also rootstocks.

Future Program, Date and Place of Next Session

17. At the invitation of the experts from Italy the Working Party agreed to hold its fourteenth session in Rome (Italy) from September 21 to 23, 1983. Should unforeseen difficulties prevent the session from being held there, it would take place in Santa Cruz de Tenerife (Spain). On September 20, 1983, Subgroups on Apple (rootstocks) and on Strawberry would meet to advance the discussions on the working papers on Test Guidelines for those two species. During the session the Working Party would continue its discussions on working papers on Test Guidelines for Strawberry (revision), for Avocado, for Kiwi Fruit, for Persimmon, for Quince and for Apple Rootstocks (to be incorporated in the Test Guidelines for Apple), while discussions would start on a working paper on Test Guidelines for Mango. Further items to be discussed during the coming session would depend on the outcome of the discussions at the next session of the Technical Committee and also on any problems that might arise before the next session of the Working Party.

Visits

18. On the afternoon of September 29, 1982, the Working Party saw some results of the testing of apples at the Brogdale Experimental Horticultural Station at Faversham and on September 30, 1982, it visited the East Malling Research Station.

[Annex follows]

ANNEX

LIST OF PARTICIPANTS

I. MEMBER STATESDENMARK

Mr. J. GRAUSLUND, State Research Centre for Horticulture, Institute for Pomology, Blangstedgaardsvej 133, DK-5220 Odense SØ (tel. 0045 9159046)

FRANCE

M. J. BROSSIER, INRA/GEVES, Domaine d'Olonne, Les Vignères, B.P. 1, 84300 Cavaillon (tel. 090 71 26 85)

GERMANY (FED. REP. OF)

Mr. A. BERNING, Dipl. Ing. agr., Bundessortenamt, Osterfelddamm 80, 3000 Hannover 61 (tel. 0513 82013)

ISRAEL

Mr. B. BAR-TEL, Division of Seed Research, Agricultural Research Organization, Volcani Centre, P.O.B. 6, Bet-Dagan 50 250 (tel. 03 940465 or 940463)

ITALY

Prof. C. FIDEGHELLI, Director of the Tree Research Institute, 52, Via Fioranello, I-00040 Roma (tel. 06 600048)

NETHERLANDS

Mr. F. SCHNEIDER, RIVRO, c/o IVT, P.B. 16, 6700 AA Wageningen (tel. 08370-19123)

SOUTH AFRICA

Dr. G.S. BREDELL, Citrus and Subtropical Fruit Research Institute, Private Bag X11208, Nelspruit 1200 (tel. 01311 24241)

Mr. F.J. ROZWADOWSKI, South African Embassy, 59, Quai d'Orsay, 75007 Paris, France (tel. 01-5559237)

SPAIN

Mr. I. BENITEZ-SIDON, Instituto Nacional de Semillas y Plantas de Vivero, Registro de Variedades, José Abascal 56, Madrid 3 (tel. 0034 1 441 8199)

Mr. A. FELIPE MANSERGA, Instituto Nacional de Investigaciones Agrarias, INIA-CRIDA-03, Apartado 727, Zaragoza (tel. 976-297207)

SWITZERLAND

Mr. U. GREMMINGER, Prüfungsstellenleiter, Eidg. Forschungsanstalt für Obst-, Wein- und Gartenbau, 8820 Wädenswil (tel. 01 7801333)

UNITED KINGDOM

- Mr. L.H. CLARK, National Fruit Trials, Brogdale Experimental Horticulture Station, Faversham, Kent, ME13 8XZ
- Mr. F.H. GOODWIN, Controller, Plant Variety Rights Office, White House Lane, Huntingdon Road, Cambridge CB3 0LF
- Mr. J. INGRAM, National Fruit Trials, Brogdale Experimental Horticulture Station, Faversham, Kent, ME13 8XZ (tel. (079) 535462)

II. OFFICER

- Dr. G.S. BREDELL, Chairman

III. OFFICE OF UPOV

- Dr. M.-H. THIELE-WITTIG, Senior Counsellor, 34, chemin des Colombettes, 1211 Geneva 20, Switzerland (tel. 022 99 91 11, direct 022 99 91 52)

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