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TWO/XX/20

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

**TECHNICAL WORKING PARTY
FOR
ORNAMENTAL PLANTS AND FOREST TREES****Twentieth Session
Kiryat Anavim, Israel, March 23 to 26, 1987**

REPORT

adopted by the Technical Working Party for
Ornamental Plants and Forest Trees

Opening of the Session

1. The twentieth session of the Technical Working Party for Ornamental Plants and Forest Trees (hereinafter referred to as "the Working Party") was held in Kiryat Anavim, Israel, from March 23 to 26, 1987. The list of participants appears in the annex to this report.

2. Dr. M. Hoffman, Chairman of the Plant Breeders' Rights Council, and Mr. B. Bar-Tel from the Department of Seed Research of the Agricultural Research Organization at the Volcani Center welcomed the participants to Israel. The meeting took place in the Kibbutz Kiryat Anavim near Jerusalem. The session was opened by Mr. B. Bar-Tel, Chairman of the Working Party.

Adoption of the Agenda

3. The Working Party unanimously adopted the agenda for its twentieth session as reproduced in document TWO/XX/1, after having noted that under item 12, the subitems (ii), (vii), (viii), (ix), (x) and (xi) would be deleted as no documents had been prepared in time for the present session.

Short Reports on Special Developments in Plant Variety Protection in Ornamental Plants and Forest Trees

4. The Committee received short reports from some of the experts on further recent developments in their countries. It noted with special interest the report of a planned study in Denmark on the possibility, for varieties of certain species, of asking the breeder to test the variety for distinctness, homogeneity and stability and to prepare a variety description. The Working Party furthermore noted that GEVES in France had set up a recognized professional register in which mutants of roses, chrysanthemums and carnations could be included in vivo thus establishing common knowledge of these mutants and avoiding the grant of protection to other breeders for the same mutants. The Working Party also noted the problems encountered with respect to gladiolus bulbs grown in Israel when sent to the Netherlands. As a result of the differing vegetative growing periods the bulbs would not grow at the same time as other gladiolus bulbs in the Netherlands, thus requiring an additional year of growing before they could be tested together with other varieties.

Important Decisions Taken at Recent Sessions of the Technical Working Party and of the Technical Committee

5. Dr. M.-H. Thiele-Wittig gave a brief report on the last session of the Technical Committee. He highlighted paragraph 15 on standard Test Guidelines, paragraph 16 on the Revision of the General Introduction to Test Guidelines, paragraph 40 on the analysis of varieties under test, paragraph 49 on the testing of homogeneity in self-pollinated plants and paragraph 50 of TC/XXII/7 on over-years analysis.

Standard Test Guidelines

6. The Working Party noted the new version of the standard Test Guidelines as reproduced in document TC/XXII/8 and recommended its use every time a new working paper for Test Guidelines was to be established. With respect to chapter II, paragraph 2, the Working Party regretted that the words "which affects subsequent growth" had been deleted.

Final Discussion of Draft Test Guidelines

Test Guidelines for Alstroemeria (Revision)

7. The Working Party noted documents TG/29/4(proj.) and TWO/XX/5 and made the following main changes in document TG/29/4(proj.):

(i) Table of Characteristics:

Characteristics

- | | |
|----|---|
| 1 | to have the states "short, medium, long" |
| 14 | to have the state "broad obovate" corrected |
| 26 | to have the words "intensity of" deleted |

(ii) Explanations to the Table of Characteristics: The explanations to characteristics 14 to 19 would be replaced by characteristics 14 to 22 and the explanations to the drawing would be improved.

(iii) Literature: Additional literature as mentioned in document TWO/XX/5 would be included.

(iv) Technical Questionnaire: Under paragraph 1, the word "species" would be replaced by "genus."

Test Guidelines for Christmas Cactus

8. The Working Party noted document TWO/XX/2 and the comments received from experts from the Federal Republic of Germany which were distributed during the session. It made the following main changes in document TWO/XX/2:

(i) Conduct of Tests: In paragraph 3, under "propagation," the words "Northern Hemisphere" would be added after the words "week 2," under "pinching and start of short days" the word "3rd" should be replaced by "4th," the words "distance between plants" would be replaced by "plant density" and under the heading "Light," the wording should read "In summer, the glasshouse should be shaded." The minimum number of plants in each test should be "10."

(ii) Methods and Observations: Paragraph 4 should be deleted and a new paragraph should be included in its place reading: "All characteristics on the corolla lobe should be made on the inner side of the inner lobe." At the end of this chapter, a new paragraph should be added reading: "The description should be supplemented by shadowgraphs of phylloclades."

(iii) Grouping of Varieties: In paragraph 2(ii), characteristic 38 should be replaced by characteristic 21.

(iv) Table of Characteristics:

Characteristics

- 1, 11, 33, 35 to be deleted
- 7, 8, 9 to be combined into one characteristic with the same wording as characteristic 12 of document TWO/XIX/7 which reads: "Phylloclade: type of incision of margin" with the states "crenate, serrate, dentate"
- 10 to have no explanations
- 13 to have the words "tendency of" deleted
- 14 to 16 to have the word "top" replaced by "tip"
- 14 to have the states "green, yellow, orange, pink, red, purple"
- 16 to have the words "shape of" added before the word "tip" and to have the Notes "1, 2, 3"

- 19 after this characteristic, the characteristic 20 of document TWO/XIX/7 to be included reading: "Phylloclade: tendency to form a wing" with the states "absent or very weak, weak, medium, strong, very strong"
- 20 to read: "Flower: limb (at full opening)" with the states "flat (3), reflexed (5), strongly reflexed (7)" and to be placed after characteristic 18; the Danish experts to prepare new drawings
- 21 to read: "Corolla lobe: size of lighter colored macule (in relation to size of lobe)"
- 22 to read: "Corolla lobe: color of macule"
- 23 to read: "Corolla lobe: occurrence of middle zone"
- 24 to 27 to have the words "on inner side of inner lobes" deleted as the indication is already included in the Technical Notes; the Danish experts to prepare a drawing which would show what was understood by macule, middle zone, outer zone
- 25 to have the words "border between zones" corrected
- 28 to have the Notes "1, 2, 3"
- 36 to read: "Stigma: color"
- 37 to read: "Ovary: color" with the states "green, reddish green, greenish red, red, reddish purple;" the Danish experts to indicate example varieties
- 39 to read: "Duration of flowering" with the states "short, medium, long"

The Working Party noted also the example varieties proposed by the experts from Denmark and agreed to send any comment to the Office of UPOV.

(v) Literature: No specific literature would be indicated in that document.

(vi) Technical Questionnaire: Under paragraph 5, characteristic 21 would also be indicated.

Test Guidelines for Easter Cactus

9. The Working Party noted document TWO/XX/3 and comments received from experts from the Federal Republic of Germany, which were distributed during the session. The Working Party made the following main changes in document TWO/XX/3:

(i) Conduct of Tests: In paragraph 3, under the heading "propagation," the words "Northern Hemisphere" would be included after the words "week 17." Under the heading "pinching," after the words "week 7," the text would read: "Immature phylloclades above the third order should be removed." Under the

heading "temperature regulation," the wording should read: "From week 7 to 9 1/2, the temperature should be raised gradually to 21°C/18°C." The heading "Distance between plants" should be replaced by "Plant density." The minimum number of plants in each test should be "10 plants."

(ii) Methods and Observations: Paragraph 4 should be deleted and a new paragraph should be inserted in its place reading: "All observations on the tepal should be made on the inner side of the inner tepal." At the end of this chapter, a new paragraph should be added reading: "The description should be supplemented by shadowgraphs of phylloclades."

(iii) Variety Grouping: In paragraph 2, characteristic 16 should be added, and for characteristic 22, instead of the RHS Colour Chart, the states as indicated in the Technical Questionnaire should be mentioned, with the state "violet" to be changed to "purple."

(iv) Table of Characteristics:

Characteristics

- | | |
|----------|---|
| 1, 25 | to be deleted |
| 11 | to have the word "top" replaced by "tip" and to have the states "green, yellow, orange, pink, red, purple" |
| 12, 13 | to have the word "top" replaced by "tip" |
| 13 | to read: "Bud: shape of tip of 1.5 cm long bud" with the Notes "1, 2, 3" |
| 16 to 20 | to receive a drawing showing the different zones, to be prepared by the Danish experts and to have the words "on inner side of inner tepals" deleted as they are covered by the additional Technical Note |
| 16, 17 | to have the word "basal zone" replaced by "macule" |
| 18 | to read: "Tepal: occurrence of middle zone" |
| 20 | to have the Notes "1, 2" |
| 21, 22 | to have the words "on inner side of inner tepals" deleted |
| 23 | to have the words "above ovary" deleted |
| 26 | to read: "Style: length" |
| 27 | to read: "Stigma: color" |
| 28 | to read: "Ovary: color" with the states "green, reddish green, greenish red, red, reddish purple" |
| 30 | to read: "Duration of flowering" with the states "short, medium, long" |

The Working Party agreed to include the example varieties proposed by the Danish expert, however, some of the Latin names would need to be checked again.

(v) Literature: No specific literature would be indicated.

(vi) Technical Questionnaire: Under paragraph 5, characteristic 16 would also be indicated.

Test Guidelines for Gladiolus

10. The Working Party noted documents TG/108/1(proj.), TWO/XX/6 and TWO/XX/11 and made the following main changes in document TG/108/1(proj.):

(i) Methods and Observations: Paragraph 4 would read: "Unless otherwise stated, all observations should be made on 10 plants or parts of 10 plants and on the lowest flower in the position where the inner median segment is upwards."

(ii) Table of Characteristics:

Characteristic

16 After this characteristic, a new characteristic would be included reading: "Flower: main color" with the states as mentioned under paragraph 5.2 of the Technical Questionnaire.

17, 26, 47 to have the states "broad elliptic, broad ovate" deleted

28 to have the word "position" replaced by "attitude"

33, 33a, 33b, 33c, 33d, 42, 42A, 42B, 42C, 42D to be replaced by the following 8 characteristics:

- (a) "Macule: presence" with the states "absent, present"
- (b) "Macule: size" with the states "small, medium, large"
- (c) "Macule: shape" with the states as the present types 2, 3, 5 and 7
- (d) "Macule: color" with the request to indicate the RHS Colour Chart
- (e) "Stripe: presence" with the states "absent, present"
- (f) "Stripe: length" with the states "short, medium, long"
- (g) "Stripe: width" with the states "narrow, medium, broad"
- (h) "Stripe: color" with the states "white, yellow, orange, red, purple"

42 to have the asterisk deleted

55 to read: "Tube: number of small spots on inner side of upper part"

56 to read: "Tube: distribution of small spots on inner side of upper part"

62 the second characteristic to have the Note "2"

68 to read: "Corm: color of skin"

69 to read: "Corm: color of flesh (in cross section)"

(iii) Explanations on the Table of Characteristics: The drawings to characteristics 17 to 54 would be amended.

(iv) Technical Questionnaire: Under paragraph 1, the word "species" would be replaced by "genus" and in paragraph 5.2, the wording of the characteristic would read: "Flower: main color."

Test Guidelines for Regal Pelargonium

11. The Working Party noted documents TG/109/1(proj.) and TWO/XX/7 and made the following main changes in document TG/109/1(proj.):

(i) Subject of These Test Guidelines: These guidelines apply to all varieties of Pelargonium grandiflorum hort. non Willd. (Syn. P. x domesticum L. H. Bailey) which are obtained by multiple crossing of P. grandiflorum hort. non Willd. and P. cucullatum (L.) L'Hérit. x Ait. of the family Geraniaceae. These varieties are also known as Martha Washington Geraniums.

(ii) Conduct of Tests: Under the heading "Size of pots" would be indicated: "12 cm clay pots" and, under the heading "Irrigation" to have the word "supply" deleted, under the heading "Light," the wording would read: "Full light during main growing period, thereafter shading from strong sunlight."

Test Guidelines for Pelargonium (zonal, ivy-leaved) (Revision)

12. The Working Party noted documents TG/28/6(proj.), TWO/XX/8 and TWO/XX/18 and made the following main changes in document TG/28/6(proj.):

(i) Subject of These Test Guidelines: The Working Party corrected the spelling of "L'Hér." to "L'Hérit." and also added the family name "Geraniaceae." It agreed to add the family name to all guidelines as this might be of additional help for certain species.

(ii) Material Required: The material required should be: "15 young plants as in commerce, in peat blocks, not pinched."

(iii) Conduct of Tests: Each test should include a total of 15 plants. Under the heading "Irrigation," the wording should read: "Drip irrigation: compost uniformly moist," under the heading "Temperature," the wording "after good rooting" should be replaced by "when well rooted" and, under the heading "Light," the wording should read: "In full sun; light shading under glass." For this last-mentioned wording, the working party asked the experts from the Federal Republic of Germany whether the changes made were correct.

(iv) Table of Characteristics:

Characteristics

2, 3, 19 the Working Party asked the experts from the Federal Republic of Germany to enquire what was the correct variety denomination for the variety "Disco"

8 to read: "Zonal varieties only: Leaf blade: ratio length/width" with the states "small, medium, large;" the experts from the Federal Republic of Germany were asked to indicate example varieties

- 22 to have the word "Pedicel" replaced by "Inflorescence"
- 29 to have the word "Flower" replaced by "Inflorescence" and to be placed after characteristic 21
- 30 to have an additional state "divided;" the experts from the United Kingdom to indicate example varieties
- 36, 44 to have the states "stripes, macules, speckles"
- 44 to have the example variety "Laura" replaced by "Penlau"

(v) Explanations on the Table of Characteristics: The drawing for characteristics 31 to 45 should be improved.

(vi) Technical Questionnaire: Under paragraph 5.2, the example varieties for the states 4 to 8 were amended to read: "Bruni (4), Cherry, Purlapen (5), Dunkle Amethyst (6), Klefipel (7), Blues, Rospen (8)"

Revision of the UPOV Model for a Report on Technical Examination

12. The Working Party noted the new Model for a Report on Technical Examination as reproduced in Annex IV to document TC/XXII/7 and the recommendation that it should be used at the national level as well as at the international level.

List of Reference Books and Documents

13. The Working Party noted that the Technical Committee had adopted and published the list of reference books and documents reproduced in document TC/XXII/4 and that the same list would also be included in the UPOV Collection of Important Texts and Documents. It invited its members to inform the Office of UPOV of any additional information or corrections which might be necessary in that document.

Items for the Technical Working Party on Automation and Computer Programs

14. The Working Party noted that it had no items to propose to the Technical Working Party on Automation and Computer Programs. It added that, in general, statistical analysis in vegetatively propagated species in its field of competence were not used unless specifically stated in the Test Guidelines. Therefore the relevant information in the General Introduction to the Test Guidelines would not apply to most of the Test Guidelines established by the Working Party.

15. The Working Party noted also that the envisaged exchange of information on variety descriptions via computer would raise certain additional problems in the field of ornamental varieties as descriptions of such varieties were often built up not only from states of expressions of the characteristics, but also from remarks in the additional column. These remarks were very frequent as it was often not possible to observe only one state and a main state together with several other states appearing to a lesser degree had to be considered.

Color Charts

16. The Working Party noted that the planned empirical grouping of the RHS Colour Chart with the aim to facilitate the screening of varieties by computer had not progressed as expected. As other groups were working on a similar approach, as for example the authority registering all varieties marketed in the Netherlands, the Working Party would appreciate it if that work could be speeded up. It invited all members to ascertain at national level whether other bodies were working on similar programs, to avoid parallel and deviating results.

Improving Efficiency in Variety Testing

17. As it had not been possible to prepare a paper for this agenda item, the Working Party postponed the discussion to its next session.

Discussion on Working Papers on Test Guidelines

Test Guidelines for Tuberous Begonia Hybrids

18. The Working Party noted document TWO/XX/4 and information prepared by the expert from Belgium, and distributed during the session, and made the following main changes in document TWO/XX/4:

(i) Subject of These Test Guidelines: The Working Party agreed to the 13 groups as listed by the expert from Belgium in the distributed paper.

(ii) Methods and Observations: The following paragraph should be added: "The measurement of the leaf blade should be made with the upper side facing up and the apex of the leaf away from the observer."

(iii) Grouping of Varieties: The Working Party asked the expert from Belgium to prepare a key for the 13 above-mentioned groups, which should be included after paragraph 1.

(iv) Table of Characteristics: The Working Party agreed to the example varieties given by the expert from Belgium in the paper distributed during the meeting. The expert from Belgium will try to indicate for each group in the column of example varieties at least one variety denomination as far as known varieties exist within the group. In addition, the Working Party agreed to the following changes:

Characteristic

- 10 to be split into two characteristics reading: "Leaf blade: length of apical part" with the states "short, medium, long" and "Leaf blade: length of basal part" with the states "short, medium, long"
- 11 to be split into two characteristics reading: "Leaf blade: width of left part" with the states "narrow, medium, broad" and "Leaf blade: width of right part" with the states "narrow, medium, broad"
- 19 to read: "Leaf blade: angle of apex" with the states "narrow, medium, wide," the expert from Belgium to prepare a drawing for that characteristic

42 to have the words "single" changed to "one" and "intensive" to "intensively"

(v) Explanations on the Table of Characteristics: The survey of grouping prepared by the experts from Belgium will be included under this chapter.

(vi) Literature: The expert from Belgium will indicate further literature.

(vii) Technical Questionnaire: Under paragraph 5.8, the key for the 13 groups would be repeated.

Test Guidelines for Exacum

19. The Working Party noted document TWO/XX/9 and comments prepared by experts from the Federal Republic of Germany, distributed during the session, and made the following main changes in document TWO/XX/9:

(i) Subject of These Test Guidelines: These Test Guidelines apply to all vegetatively propagated varieties of Exacum L. (family Gentianaceae). As a result of that limitation, all references to seed propagated varieties in the document were deleted. The experts from the Federal Republic of Germany were asked to ascertain the exact name in German of that species.

(ii) Conduct of Tests: The minimum number of plants in each test should be "15 plants."

(iii) Grouping of Varieties: In paragraph 2, characteristic 11 would be added.

(iv) Table of Characteristics:

Characteristic

9 to have the state "rosette" deleted and to receive drawings for explanation; after this characteristic, a new characteristic to be inserted reading: "Double flower varieties only: Flower: rosette" with the states "absent (Blue Rococo), present;" the experts from Denmark to prepare a drawing

10 to read: "Flower: diameter" with the states "small, medium, large;" the experts from Denmark to prepare a drawing

11 to read: "Petal: color;" the experts from Denmark to prepare a drawing

12 to read: "Flower: overlapping of petals"

In addition, several example varieties were corrected in the Table of Characteristics.

(v) Literature: No specific literature would be indicated.

(vi) Technical Questionnaire: In paragraph 5.2, in addition to the color of the petal, also the RHS Colour Chart number would be asked for. In addition, the new characteristic inserted after characteristic 9 would be included.

Test Guidelines for Hydrangea

20. The Working Party noted documents TWO/XIX/21 and TWO/XX/12, as well as additional information distributed during the session by the experts from France, and made the following main changes in document TWO/XIX/21:

(i) Subject of These Guidelines: These Test Guidelines apply to all varieties of Hydrangea L. of the family Saxifragaceae. It is established mainly on the basis of varieties of Hydrangea macrophylla (Thunb. ex Murr.) Ser. or Hydrangea anomala D. Don ssp. petiolaris (Sieb. et Zucc.) McClintock and Hydrangea paniculata Sieb., Hydrangea quercifolia Bartr. and Hydrangea aspera D. Don, but it may also be used for other species of Hydrangea L.

(ii) Material Required: The minimum quantity of material required would be 5 branched plants or 5 rooted cuttings, depending on the wishes of the competent authority.

(iii) Methods and Observations: The first sentence of paragraph 2 should read: "The test requires in general two growing periods of which the first one is an establishment cycle." Paragraph 5 would be deleted and a new paragraph would be included reading: "All observations on the leaf should be made at the end of August or beginning of September (Northern Hemisphere) on the third pair of leaves below the tip of a vegetative shoot." The experts from France to check the wording concerning the time of observation.

(iv) Grouping of Varieties: In paragraph 2, the grouping should first be made according to the species and, secondly, according to characteristic 17.

(v) Table of Characteristics:

Characteristics

- | | |
|--------|---|
| 1 | to be limited to non-climbing varieties and to have the example varieties "Habsburg, Heinrich Siedel" corrected |
| 2 | to have the states "climbing" and bushy" reversed and to be placed before characteristic 1 |
| 3 to 8 | to have the word "Leaf" replaced by "Leaf blade" |
| 6 | to have the example variety "Tricolor" transferred to Note 3 |
| 9 | to be placed after characteristic 2 and to read: "Leaf: long petiole" with the states "absent, present" and to have the example variety "Trostburg" corrected |
| 11 | to have the example variety "Trostburg, Madame Plumecoq and Raymond Draps" corrected |
| 10, 12 | to have a drawing according to that in document TWO/XIX/2 |
| 15 | to have the states "rather fine, rather coarse" and to receive drawings |
| 17 | the expert from France to check the example varieties proposed by the German experts |

- 18 to read: "Corymbiform varieties only: Flower: flowers without calyx;" the expert from France to check the characteristic again; before this characteristic, a new characteristic to be inserted reading: "Flower: color of flower with small calyx" with the indication of the RHS Colour Chart
- 20, 21 to have the word "Sepal" replaced by "Calyx"
- 21 to have the example variety "Liebegg" corrected
- 22 to read: "Flowers with large calyx only: Calyx: overlapping of sepals"
- 23 to read: "Flowers with large calyx only: Calyx: degree of overlapping of sepals"
- 25 to have the synonym "Claudia" for the example variety "Steina 104"

(vi) Literature: The experts from France would check the indicated literature.

(vii) Technical Questionnaire: In the Technical Questionnaire, distributed during the session, in paragraph 1, the word "species" would be replaced by the word "genus" and the applicant would be asked to state the species. Paragraph 5.3 would be replaced by characteristic 18 and paragraph 5.4 first by the characteristic 20 with a request to indicate the RHS Colour Chart and then by the states as previously given under this paragraph. Under paragraph 7.2(i), the applicant would first be requested to state whether his variety was a pot plant or a garden plant, and secondly, in the case of a pot plant, whether it was intended for blueing, in which case he would be asked to indicate the intensity, or not.

Test Guidelines for Tulip

21. The Working Party noted the documents TWO/XX/13 and TWO/XX/17 and made the following main changes in document TWO/XX/17:

(i) Conduct of Tests: In paragraph 3, the words "Distance between plants" were replaced by "Plant density." The minimum number of plants would be "30 plants."

(ii) Methods and Observations: Paragraph 2 was extended to read: "All observations on the size and shape of the flower should be made on the closed flower."

(iii) Table of Characteristics:

Characteristics

all characteristics to receive an asterisk; the expert from the Netherlands to indicate example varieties still lacking

- 1 to have the states "short, medium, tall"
- 5 to read: Leaf: variegation at margin"

- 11, 12, 13, 14 to be recorded on the closed flower and to receive drawings for explanation
- 12 to read: "Flower: diameter" with the states "small, medium, large"
- 13 to have the states "circular, elliptic, ovate, obovate"
- 14 to be placed before characteristic 13 and to read: "Flower: ratio length/diameter"
- 16 to read: "Flower: number of incisions of tepal" with the states "few, medium, many"
- 15 to 21 to have the word "tepals" put into the singular
- 20 to have the word "top" replaced by "tip"
- 22 to read: "Flower: main color"
- 23 to read: "Flower: number of colors on outer side"
- 24 to read: "Flower: distribution of colors other than main color on outer side"
- 25 to read: "Flower: color of middle third of ..."
- 22, 23, 24 to be placed after characteristic 14
- 27 to read: "Flower: main color of macule on inner side;" after this characteristic, a new characteristic to be inserted reading: "Flower: color of margin of macule" with the indication of the RHS Colour Chart
- 29, 30 to have the word "dark" for Note 4 replaced by "deep"

(iv) Literature: Additional literature as given in document TWO/XX/13 to be included.

(v) Technical Questionnaire: In paragraph 1, the word "Genera" should be brought into the singular. Paragraph 5.1 to be deleted. Paragraph 5.3 to receive certain corrections which should also be included under V (Grouping of Varieties).

Test Guidelines for Euphorbia Fulgens (Revision)

22. The Working Party noted document TWO/XX/10 and the comments from experts from the Federal Republic of Germany, distributed during the session, and made the following main changes in document TWO/XX/10:

(i) Material Required: The minimum quantity of material required would be 10 rooted cuttings.

(ii) Conduct of Texts: The words "Day light" should be replaced by "Day length" and the minimum number of plants to be included in the tests should be "10 plants."

- (iii) Methods and Observations: Paragraph 3 should be deleted.
- (iv) Grouping of Varieties: In paragraph 2, the word "gland" should be replaced by "Cyathophyll."
- (v) Table of Characteristics:

Characteristics

- 8 to have the word "top" replaced by "tip" with similar changes where the word "top" appears and to have the example variety "Ku 4" replaced by "Marisda" throughout the document
- 8a to 8d to be recorded on the upper third of the flowering shoot
- 8e and 8f to be recorded on the lower third of the flowering shoot; characteristics 8e and 8f should refer to the color of the upper side
- 8d and 8f to have the states "light, medium, dark;" in characteristic 8d, the example variety "Mariëlle" to be corrected
- 28 to have the example variety "Ku 3" replaced by "Comet"
- 29 to have the example variety "Red Surprise" corrected
- 30 to receive a drawing for explanation
- 31 to have the word "Gland" replaced by "Cyathophyll" and the experts from Denmark to check the characteristic again

- (vi) Literature: No specific literature should be indicated.

(vii) Technical Questionnaire: In paragraph 1, the word "Genera" should be replaced by "Species" and in paragraph 5, an item (ii) should be added with the states "white, creme, yellow, orange, red, creme and pink."

Status of Test Guidelines

23. The Working Party agreed that the draft Test Guidelines for Alstroemeria (revision), for Christmas Cactus, for Easter Cactus, for Regal Pelargonium and for Pelargonium (zonal, ivy-leaved, revision) should be sent to the Technical Committee for final adoption.

24. The Working Party agreed that the draft Test Guidelines for Tuberous Begonia Hybrids, for Exacum, for Tulip and for Euphorbia fulgens (revision) should be sent to the professional organizations for comments after the information still lacking had been included.

25. The Working Party would need further discussions during its coming session on the draft Test Guidelines for Gladiolus.

26. The Working Party agreed that the experts would send comments in writing on the working papers on Test Guidelines before the end of the current year for those species which, for lack of time, had not been discussed during the current session and that the experts having prepared the most recent version of the working paper would include those comments in a new document to be presented to the coming session of the Working Party.

Future Program, Date and Venue of Next Session

27. At the invitation of the expert from Belgium, the Working Party agreed to hold its twenty-first session in Ghent, Belgium, from June 20 to 24, 1988. In view of the long list of Test Guidelines which, due to lack of time, had not been discussed during the current session, the Working Party found it necessary to extend the coming session by a further day. In addition to that session, it is planned to hold a subgroup meeting on roses in the middle of June 1987, either in Hanover, Federal Republic of Germany, or Wageningen, Netherlands. Another subgroup meeting on carnation is foreseen for October 1987 in France with a possible additional meeting in San Remo, Italy. The session of the Technical Working Party itself will start on June 20, 1988, at 9.30 a.m. and will close on June 24, 1988, at noon. It is planned that the following items will be discussed at that session:

(i) Short reports on special developments in plant variety protection in ornamental plants and forest trees.

(ii) Important decisions taken during the preceding sessions of the Working Party and of the Technical Committee.

(iii) Final discussion on draft Test Guidelines for

- Gladiolus
- Tuberous Begonia Hybrids
- Exacum
- Tulip
- Euphorbia fulgens (revision)

(iv) List of reference books and documents

(v) Items for the Technical Working Party on Automation and Computer Programs

(vi) Color charts

(vii) Improving efficiency in variety testing

(viii) Discussion on working papers on Test Guidelines (assuming a working paper has been established for the mentioned species in due time before the coming session):

- Chinkerinchee (TWO/XXI/2)
- Chrysanthemum (revision) (TG/26/4 + GB to prepare a working paper)
- Carnation (revision) (TG/25/5, TWO/XX/15 + results of subgroup meeting))
- Dieffenbachia (TWO/XX/19)
- Gerbera (revision) (TG/77/3 + NL to prepare a working paper)
- Hydrangea (TWO/XIX/21, TWO/XX/12 + FR to prepare a new working paper)
- Iris (bulbous) (IL to prepare a working paper)
- Lachenalia (TWO/XXI/3)
- Leucadendron (TWO/XXI/4)
- Leucospermum (TWO/XXI/5)
- Norway Spruce (TWO/XVIII/5, TWO/XIX/12, TWO/XIX/22 + DE to prepare a working paper)

- Protea (TWO/XXI/6)
- Pyracantha (FR to prepare a working paper)
- Rose (revision) (TG/11/4, TWO/XX/16 + results of subgroup meeting)
- Spathiphyllum (DK to prepare a working paper)
- Weigela (TWO/XIX/20, TWO/XX/14)

Chairmanship

28. As the chairmanship of Mr. B. Bar-Tel (Israel) will end with the closing of the coming ordinary session of the Council in October of this year, the Working Party unanimously proposed to the Technical Committee that it proposes to the Council that Mr. C.J. Barendrecht (Netherlands) be elected new Chairman of the Working Party for the coming three years.

Visits or other Meetings

29. In the evening of March 24, the Working Party met with applicants and breeders from Israel and heard an introduction to carnation breeding given by Dr. N. Umiel. On March 25, the Working Party made an excursion to Neot Kedumim with a biblical landscape and visited the botanical garden at Chavat H'Noy where also carnation trials are located. It also visited a carnation breeder at Bnei Zion and a gerbera breeder at Ganei Am. Those participants who had already arrived before the week-end participated in an organized tour through Jerusalem on Saturday and to the Dead Sea and Massada on Sunday.

30. This report, in the absence of any suggestions for modifications, is considered as adopted, in accordance with Rule 37(5) of the Rules of Procedure of the Council.

[Annex follows]

TWO/XX/20

ANNEX

LIST OF PARTICIPANTS AT THE TWENTIETH SESSION OF THE
TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS AND FOREST TREES,
KIRYAT ANAVIM, ISRAEL, MARCH 23 TO 26, 1987

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