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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

TECHNICAL WORKING PARTY
FOR
VEGETABLESFifteenth Session
Geneva, Switzerland, May 11 to 13, 1982

DRAFT REPORT

prepared by the Office of the UnionOpening of the Session

1. The fifteenth session of the Technical Working Party for Vegetables (hereinafter referred to as "the Working Party") was held in Geneva, Switzerland, from May 11 to 13, 1982. A list of participants appears in Annex I to this report.
2. Dr. Mast, Vice Secretary-General of UPOV, welcomed the participants to the Headquarters of UPOV in Geneva in the name of the Secretary-General. The session was opened by Mr. F. Schneider, Chairman of the Working Party. The expert from Italy apologized for the difficulties he had encountered in Italy which had made it necessary to change the meeting place from Salerno to Geneva.

Adoption of the Agenda

3. The Working Party unanimously adopted the agenda of the fifteenth session as reproduced in document TWV/XV/1 after having deleted item 9(i).

Adoption of the Report of the Fourteenth Session

4. The Working Party unanimously adopted the report of the fourteenth session as appearing in document TW/44, after having replaced the reference to characteristic 39 in paragraph 7 by a reference to characteristic 40 and after having noted the following explanation on paragraph 11 from the expert of the United Kingdom:

"In the United Kingdom we do import races of *Bremia lactucae* and *Colletotrichum lindemuthianum* from the Netherlands under licence, and in some cases there is an exchange of races. There is also an exchange of seed of differential varieties with other countries for these two diseases and for *Fusarium oxysporum* f. *Pisi* and *Plasmodiophora brassicae*. Races of diseases of other crops are also exchanged and imported under licence for specific tests. The races are only used under spore proof conditions and then destroyed. It should therefore be much easier in certain cases to align the test results obtained in different countries."

Report on the Seventeenth Session of the Technical Committee

5. Dr. M.-H. Thiele-Wittig reported on the last session of the Technical Committee, restricting himself to the main subjects discussed. The full report of that session is reproduced in document TC/XVII/5. In connection with the report on the exchange of lists of varieties under test the Working Party recommended to the Technical Committee that it should agree to the Office of UPOV distributing these lists in the future.

6. The Working Party noted that the Technical Working Party for Agricultural Crops would establish Test Guidelines for Swede, and asked to see the working paper on the Test Guidelines before it was sent as a first draft to the professional organizations for comments.

Reports of Experts on the Progress Made in the Field of Plant Breeders' Rights in Vegetables

7. Some of the experts distributed their written statements, which are reproduced in Annexes II (Federal Republic of Germany), III (Netherlands), IV (Sweden) and V (United Kingdom). As the exchange of lists of all varieties under test had now been established, it was no longer necessary to repeat the vegetable varieties in a separate list, so that in future the reports would be much shorter or mainly replaced by oral reports.

Test Guidelines for French Beans

8. The Working Party noted the comments received from the professional organizations on the draft for revised Test Guidelines for French Beans (TG/l2/2(proj.)), and also a list of example varieties proposed by the Federal Republic of Germany and the Netherlands, and made the following main changes in that document:

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

Characteristics

- | | |
|--------|--|
| 4, 5 | to have the word "growing" replaced by "plant" |
| 12 | to have the following states: "in foliage (3), partly in foliage (5), over foliage (7)" |
| 16 | to have an addition in brackets reading "at beginning of swelling" |
| 19 | to have the first state deleted |
| 28 | to read: "Pod: shape of tip" |
| 29 | to have the asterisk deleted and, as a consequence of that, to be deleted from the Technical Questionnaire |
| 31 | to have the states "straight, slightly curved, medium curved, strongly curved, very strongly curved" |
| 32 | to be deleted |
| 34 | to read: "Pod: texture of surface" |
| 35 | to receive an explanation of the method in the annex |
| 40 | to have the states "single-colored, multi-colored" |
| 41, 42 | to have the additional state "grey" inserted after the first state |

The experts from the Federal Republic of Germany would indicate to the French experts additional example varieties for the list established by the latter, which would then be included in the document before it was presented to the Technical Committee for approval.

Test Guidelines for Celery

9. The Working Party noted the comments received from the professional organizations on the draft for Test Guidelines for Celery (TG/82/1(proj.)), together with a list of example varieties. The only changes made in that document, apart from some improvements in language, were that characteristic 17 should be recorded as characteristic 14 and that characteristic 19 should receive the same states as characteristic 21. The example varieties given should be improved in the light of the proposals made by the experts of the United Kingdom dated October 2, 1981. The proposal that the Table of Characteristics should include characteristics on the size of the heart, on the cross section of the heart and on the density of the heart was not followed, but it would be studied and kept in mind for a further revision of the Test Guidelines.

Test Guidelines for Broad Bean

10. The Working Party noted documents TWV/XV/2, TWV/XV/3, TWV/XV/4 and TWV/XV/6. It was strongly recommended to present revisions and corrections of guidelines as changes in the last adopted version and not as a totally new draft. It therefore based its discussions mainly on document TWV/XV/6 and on the currently adopted version of the Test Guidelines for Broad Beans (TG/8/1), and made the following main changes in the latter document:

(i) The Technical Notes should be aligned on the new wording as used for document TG/12/2(proj.). The minimum quantity of seed should be 1,000 g, the sample size 80 plants, the grouping characteristics characteristics 9, 19 and 20, and at the end paragraph 9 should be replaced by paragraph 9 of document TWV/XV/3.

(ii) Changes in the Table of Characteristics:

Characteristics

- 3, 4, 6, 8, 9, 10, 14, 15, 17, 21, 24, 25, 27 to be deleted and replaced by characteristics 3, 4, 5, 6, 10, 11, 12, 13, 14, 15 of document TWV/XV/3
- 1 to read: "Plant: height"
- 2 to read: "Plant: number of stems (including tillers more than half the length of the main stem)" with the states "few, medium, many"
- 7 to read: "Foliage: intensity of color (before flowering)" and to have the last state deleted; thereafter a new characteristic to be inserted reading: "Leaf: folding" with the states "absent or very weak, weak, medium, strong, very strong" and drawings to be prepared by the experts from the Federal Republic of Germany
- 11 to read: "Pod: attitude" with the states "erect, semi-erect, horizontal, semi-pendant, pendant"
- 12 to have the contents of the brackets deleted
- 13 to have the asterisk deleted and to read: "Pod: median width"
- 14 to be replaced by characteristics 26 and 27 of document TG/12/2(proj.), thereafter three more characteristics to be inserted reading: "Pod: intensity of green color" with the states "light, medium, dark", "Seed: color at green shell stage" with the states "white, green", and "Pod: thickness of valves (at green shell stage)" with the states "thin, medium, thick"
- 16 to read: "Pod: number of ovules" with the states "few, medium, many"

- 18 to read as for French Beans "Seed: shape of median longitudinal section" with the states "elliptic, broad elliptic, circular"; after this characteristic two new characteristics to be inserted reading: "Seed: length/width ratio" with the states from 1 to 9 and "Seed: shape of cross section" with the states "flat, elliptic, circular"
- 19 to read: "Seed: color of testa (immediately after harvest)" with the states "grey white, brown(ish), green, red, violet, black"
- 20 to read: "Seed: color of hilum compared to color of testa" with the states "same color, different color"; after this characteristic a new characteristic to be inserted reading: "Seed: fluorescence of testa" with the states "absent, present"
- 22 to receive an asterisk and the additional states "very small, very large"
- 23 to read as characteristic 11 of document TG/12/2(proj.)
- 26 the maturity to be recorded at green shell stage with the states "early, medium, late"
- (iii) In the Technical Questionnaire, characteristic 5.1 was to be replaced by characteristic 12 of document TWV/XV/3.
- (iv) The Working Party decided that the Test Guidelines for Broad Bean should be enlarged to cover also Field Beans, the Latin name therefore being only "Vicia faba L." The experts from the United Kingdom and the Netherlands would prepare a first proposal for example varieties by the end of September. The new working paper prepared as a result of the present discussions, including the example varieties, would then be circulated also to the members of the Technical Working Party for Agricultural Crops to enable their comments or proposals to be taken into account before it was sent to the professional organizations for comments. (As the members of the Technical Working Party for Agricultural Crops had asked for more time to study the document, the mailing to the professional organizations could not take place before the next session of the Working Party.)

Test Guidelines for Turnip

11. The Working Party noted document TWV/XV/5 but decided that the revision of the Test Guidelines for Turnip was at the outset a matter for the Technical Working Party for Agricultural Crops. It therefore did not enter into the details of revising those Test Guidelines. It did however ask to see the working paper on revised Test Guidelines for Turnip established by the Technical Working Party for Agricultural Crops before it was sent as a first draft to the professional organizations for comments. In the event of a Subgroup meeting to prepare the revision of those Test Guidelines the vegetable experts from France, the Federal Republic of Germany and the United Kingdom should also be informed of the meeting.

Test Guidelines for Leek

12. The Working Party started discussing the preparation of Test Guidelines for Leek on the basis of a draft dated 1981-04-15, and made the following main changes in that document:

- (i) Changes made in the Technical Notes:

Technical Note

- 1 the minimum quantity to be 100 g
- 4 the total number of plants to be 200

- 5 to have the last sentence deleted
- 8 after this paragraph a new paragraph to be inserted reading: "All observations on the plant, the shaft and the leaf should be made when the plant is vegetatively fully developed."

(ii) Changes made in the Table of Characteristics:

Characteristics

1, 6, 8, 9, 10, 15, 18 to have the asterisk deleted

11, 16, 17 to be deleted

- 1 to have added the words "not calibrated" in brackets
- 2 to receive drawings for explanation and to read: "Foliage: attitude" with the states "erect (3), semi-erect (5), almost horizontal (7)"
- 3 to read: "Foliage: height" with the states "low, medium, tall"; after this characteristic two new characteristics to be inserted reading: "Plant: length" with the states "short, medium, long," with drawings for explanation, and "Plant: density of leaves" with the states "weak, medium, strong," also with drawings for explanation
- 4 to receive no explanations
- 6 to read: "Leaf: intensity of green color"
- 10 to have the words "central third" added in brackets
- 12 to receive the additional state "very short"
- 13 to receive the additional state "very small"
- 14 to read: "Shaft: bulbing" and to receive the additional state "very strong"
- 15 to receive additional drawings for explanation, to be prepared by Mr. Fredriksson from Sweden

(iii) In the Technical Questionnaire, under paragraph 5, characteristics 3, 5 and 12 would have to be indicated, and under paragraph 7.2 provision would be made for a mention of whether the variety was for summer, autumn or winter harvesting.

Test Guidelines for Endive

13. Owing to lack of time the Working Party could not start discussions on the working paper on Test Guidelines for Endive, dated 1981-04-15, and had to postpone those discussions to its next session.

Test Guidelines for Curly Kale

14. The Working Party started discussing the preparation of Test Guidelines for Curly Kale on the basis of a draft dated 1981-09-10. However, shortage of time allowed only the first part, up to characteristic 11, to be discussed. In that part the Working Party made the following main changes:

(i) In the Technical Notes paragraph 9 was changed to read as follows:

"All characteristics on the young and the fully developed leaf should be recorded on fully developed plants."

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

- 6 to be split into two characteristics, the first reading: "Leaf blade: color of young leaf" with the states "yellow green, green, blue green" and the second "Leaf blade: intensity of color of young leaf" with the states "light, medium, dark"
- 7 to be separated in the same way as characteristic 6, the only difference being that instead of "young leaf" the characteristic applies to the fully developed leaf

- (iii) The expert from the Federal Republic of Germany would prepare a new version for the coming session including in it a Technical Questionnaire. Mr. Schneider (Netherlands) would inquire as to the correct wording of the Latin name of curly kale.

Status of Test Guidelines

15. The Working Party agreed that the drafts for revised Test Guidelines for French Bean and the draft Test Guidelines for Celery should be sent to the Technical Committee for final adoption after those example varieties that were still missing had been included in the draft for revised Test Guidelines for French Bean, and after editing by the Editorial Committee.

16. The Working Party agreed that the working paper on Test Guidelines for Leek could be presented as a first draft to the professional organizations for comments after example varieties and those drawings that were still missing had been included.

17. The Office of the Union would prepare a new working paper on the revised Test Guidelines for Broad Bean for distribution to the Technical Working Parties for Agricultural Crops and for Vegetables. The agricultural expert from the Netherlands would prepare a working paper on revised Test Guidelines for Turnip. The working paper on Curly Kale would be improved by the experts from the Federal Republic of Germany for the coming session. Discussions on the working paper on Test Guidelines for Endive had to be postponed to the next session.

Cooperation and Harmonization of Methods for Testing Disease Resistance

18. The Working Party noted several lists of host varieties of *Bremia lactucae* and *Cladosporium fulvum*, which had been received from the various experts and distributed during the session. It noted that, as the testing was normally done by pathologists in separate institutes, it was difficult to influence them. It was only possible to collect information from the other member States and pass that information on to the pathologists. The harmonization itself could then only be done by the pathologists among themselves. A study on *Bremia lactucae* was currently in progress in the United Kingdom, and the Working Party therefore decided to await the outcome of that study before discussing the question further.

Harmonization of Reference Collections

19. The experts distributed their lists of pea varieties described in accordance with or in a manner similar to the UPOV Test Guidelines during the session. Having discussed the possibilities for harmonization, the Working Party saw as a final aim in the future the collection of all descriptions in a computer at one center and the preparation of a program allowing access and comparison with new descriptions from any of the member States.

20. That however would require common organization of the data and also a program compatible with the various member States. Having noted that the Technical Committee would discuss the harmonization of computer programs at its next session, the Working Party urged its experts to brief their national representatives in the Technical Committee on the wishes of the Working Party.

21. However, in order that a start might already be made on the comparison of variety descriptions, it was agreed that the descriptions of six pea varieties--to be selected by the Chairman--would be sent by each member State to the Office of UPOV, which would collect and distribute them to the members of the Working Party in due time before the next session of the Technical Committee.

Decision on Tolerances for Inbred Plants

22. During the session the experts distributed their information on tolerance limits of inbred plants--if applicable--of vegetable species for which UPOV Test Guidelines had been established. After having discussed that information, the Working Party agreed that a tolerance could only be allowed if it was possible to identify the inbred plants, which was not the case for beet-root, carrot, onion, radish and turnip. Where it was possible to identify the inbred plants, an average of about 12% inbred plants would not affect the tests.

23. However, the experts from France and South Africa said that they would nevertheless not allow such a high percentage for the group of the last-mentioned species, as the breeder had to supply good-quality seed to the testing authorities. If he was not able to do that for the small quantities of seed used for testing, the percentage of sibs in the larger quantities of seed produced for the market would be too high. As there was disagreement on the validity of the latter view for plant variety protection, the Working Party asked the Technical Committee to express its opinion on the subject.

Future Program, Date and Place of Next Session

24. The Working Party recalled the provisional proposals made at its last session to hold the 1983 session of the Technical Working Party in Spain and the 1984 session in Israel. The expert from Spain confirmed his proposal made during the last session, and the sixteenth session of the Technical Working Party for Vegetables will therefore be held in Zaragoza, Spain, from May 31 to June 2, 1983. A Subgroup meeting on Melon will be held in the same place on May 30, 1983, or possibly even at an earlier date. During the session, comments received on first drafts for revised Test Guidelines for Broad Bean and Field Bean and also on the first draft for new Test Guidelines for Leek will be discussed, discussions on new Test Guidelines for Curly Kale will continue and discussions will be started on the preparation of new Test Guidelines for Endive, for Leaf Beet (working paper to be prepared by experts from France) and for Melon (working paper to be prepared by experts from Spain) and also revised Test Guidelines for Tomato (lists of characteristics for tomato used by the member States which are not included in the UPOV Test Guidelines for Tomato, lists of characteristics considered superfluous and any further comments for revision to be sent to the Chairman by January 31, 1983). Discussions on the revision of the Test Guidelines for Turnip and on new Test Guidelines for Swede will depend on the outcome of the discussions on those species in the Technical Working Party for Agricultural Crops. The Working Party will also continue its discussions on tolerances for inbred plants. Further items on the agenda will be the comparison of variety descriptions and a study on how tests are actually carried out in the individual member States. As agreed all papers will be distributed by the UPOV secretariat; the choice of what will be distributed will be made in consultation with the chairman.

Other Business

25. Study on How Tests are Actually Carried Out in Member States. The Working Party agreed that a questionnaire on how tests were actually carried out in the individual member States with respect to broad bean, Brussels sprouts, cabbage, cauliflower, cucumber and gherkin, French bean, lettuce, onion, peas and tomato should be circulated by the Office of UPOV as soon as the expert from the United Kingdom had prepared the necessary explanations for the individual headings of the envisaged questionnaire, and answers should be requested by the end of January 1983.

Visits

26. During the afternoon of May 12, 1982, the Working Party visited the Station de botanique expérimentale of the University of Geneva in Lullier and the Centre horticole and the Ecole d'ingénieurs, also in Lullier. On the afternoon of May 13, 1982, after the official closing of the session, a limited number of experts were given a guided tour of Geneva's Botanical Garden.

[Five Annexes follow]

LIST OF PARTICIPANTS IN THE
TECHNICAL WORKING PARTY FOR VEGETABLES
GENEVA, MAY 11 TO 13, 1982

I. MEMBER STATES

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Dr. M.-H. THIELE-WITTIG, Senior Technical Officer
Mr. A. WHEELER, Legal Officer

[Annex II follows]

ANNEX II

Progress Report Submitted by the Expert from
the Federal Republic of Germany
(Original)

Anmeldungen von Gemüsesorten zur Erteilung des Sortenschutzes
(01.08.1981 - 31.04.1982)

Kenn-Nr.	Datum der Anmeldung	Anmeldebezeichnung/ Sortenbezeichnung	Anmelder	Bemerkungen
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Raphanus sativus L. var. sativus - Radieschen

R 88	11.02.82	476 KA	Hild	
R 89	11.02.82	474 X VK	Hild	

Phaseolus vulgaris L. var. nanus (L.) Aschers. - Buschbohne

BB 649	28.10.81	Solores	Hild	
BB 650	11.11.81	79 RS1321	Royal Sluis	
BB 651	11.11.81	79 RS1322	Royal Sluis	
BB 652	11.11.81	80 RS1331	Royal Sluis	
BB 653	27.11.81	Keygold	Garvens	
BB 654	03.12.81	0-9923	Stahn u. Finke	
BB 655	29.12.81	Carillon	Nickerson-Zwaan	
BB 657	20.01.82	WAV 18685	v. Waveren	
BB 658	01.02.82	Graciella	Schaefer	

Phaseolus vulgaris L. var. vulgaris - Stangenbohne

BS 118	11.01.82	SG 255	Sluis en Groot	
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Pisum sativum L. - Markerbse

EGM 386	11.12.81	WAV 18059	v. Waveren	
EGM 387	11.12.81	WAV 26390	v. Waveren	
EGM 388	11.12.81	WAV 26351	v. Waveren	
EGM 389	11.12.81	WAV 26388	v. Waveren	
EGM 391	14.01.82	Klos (XP-C 101)	Asgrow	
EGM 392	14.01.82	Dual (XP-P 111)	Asgrow	
EGM 393	14.01.82	Dew (XP-F 3035)	Asgrow	
EGM 394	14.01.82	XP-C 112	Asgrow	
EGM 395	14.01.82	XP-C 114	Asgrow	
EGM 396	01.02.82	NZ 323	Schaefer	
EGM 397	01.02.82	NZ 326	Schaefer	

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Kenn-Nr.	Datum der Anmeldung	Anmeldebezeichnung Sortenbezeichnung	Anmelder	Bemerkungen
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Pisum sativum L. - Schalerbse

EGS 73	11.12.81	WAV 22907	v.Waveren	
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Lycopersicon lycopersicum (L.) Karst.ex Farw.-Tomate

TOT 109	20.10.81	JW 16	Wagner	
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Lactucasativa L. - Salat

SAK 187	13.08.81	Typ 1100 RZ	Rijk Zwaan	
SAK 188	17.12.81	L 9752	Sluis en Groot	

Spinacia oleracea L. - Spinat

SPI 84	24.09.81	Cronos	v.Waveren	
SPI 85	16.12.81	Warex	v.Waveren	

Brassica oleracea L.convar.botrytis (L.)Alef.var.botrytis -
Blumenkohl

KOB 62	12.11.81	Typ 600	Rijk Zwaan	
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Brassica oleracea L.convar.acephala (DC.) Alef.var.gongylodes L. -
Kohlrabi

KOK 71	07.09.81	Primafix	v.Waveren	
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[Annex III follows]

ANNEX III

Progress Report Submitted by the Expert of the Netherlands
(Original)

Vegetable varieties tested for breeders rights

	Tested in 1981	Final reports made in 1981	Under trial 31-12-1981
French bean (dwarf)	28	14	27
French bean (climbing)	5	-	6
Broad beans	2	1	2
Peas	11	6	14
Sweet pepper	1	-	5
Tomato	1	8	1
Chicory	3	-	3
Leek	1	-	-
Lettuce	64	35	42
Spinach	2	-	1
Endive	4	-	1
Cauliflower	4	-	6
Brussels sprouts	-	-	1
Savoy cabbage	1	-	1
White cabbage	2	-	6
Red cabbage	-	-	1
Carrot	3	1	2
Radish	1	3	-
Red beet	4	1	3
Onion	6	3	9
Shallot	1	1	-
Champignon	2	2	-

RIVRO

Wageningen, 6-5-1982

[Annex IV follows]

THE NUMBER OF NEW ENTRIES FOR PLANT BREEDERS' RIGHTS IN VEGETABLES IN 1980/81

PROGRESS REPORT SUBMITTED BY THE DELEGATE OF SWEDEN (Original)

Species	Ref no	Date application accepted	Applicant	Denomination
Beetroot	244	18.12.1980	Svalöf AB, S-268 00 SVALÖV	Monorondo
Lettuce	263	10.02.1981	- " -	Salmini
Spinach	245	18.12.1980	- " -	Nospor
Shallot	267	26.08.1981	de Groot en Slot B.V., Middenweg A 1, NL-1703 RA HEERHUGOWAARD	Santé
Gherkin	264	18.12.1980	Koninklijke Zaadteelt en Zaadhandel, Sluis & Groot B.V., Westeinde 62, NL-1601 BK ENKHUIZEN	Paragon

[Annex V follows]

ANNEX IV

FMV/XV/7

0680

TWV/XV/7

ANNEX V

Progress Report Submitted by the Expert from
the United Kingdom
(Original)

UK VEGETABLE VARIETIES GRANTED RIGHTS AND/OR NATIONAL LISTED IN 1981

AFP-NO	NAME	DATE OF RIGHTS	DATE NATIONAL LISTED
0110357	NATIVE	23 2 81	
0110358	WIDIVER	23 2 81	
0110362	HUNTING	16 7 81	16 7 81
0110364	LINNET		23 2 81
0110369	KODIAK	23 2 81	23 2 81
0110370	PARLAY	3 3 81	3 3 81
0110372	KNIGHT		23 2 81
0110373	DINOS	23 2 81	23 2 81
0110374	TITANIA	27 2 81	27 2 81
0120229	FRIGOR	23 2 81	
0120230	WIN	23 2 81	23 2 81
0190129	LAKE NYAH		23 2 81
0190226	WALLOP	23 2 81	23 2 81
0190227	SUNNY LAKE		23 2 81
0190228	DEEP RED		23 2 81
0190231	AMBASSADOR	16 7 81	16 7 81
0190233	ENVOY	16 7 81	16 7 81
0210097	PROPRIX	17 3 81	
0210098	ARBO	23 2 81	23 2 81
0210100	RELON	23 2 81	23 2 81
0220040	BOKKI	23 2 81	23 2 81
0220041	RUTLER	16 4 81	16 4 81
0470017	MODESTO		16 7 81
0470057	ALLAVON		23 2 81
0470104	GOLDRUSH		23 2 81
0490244	RED SKIN		23 2 81
0520105	IVANHOE	19 3 81	19 8 81
0520113	HOTSPUR		16 4 81
0520120	PRINCE MARVEL		16 4 81
0540015	CELEBRITY	23 2 81	23 2 81
0560013	CRYSTAL HALL		18 5 81
0560038	BEACON		18 5 81
0570027	VELETTE	16 4 81	16 4 81
0570028	LAMBRA	15 10 81	15 10 81
0570066	BONKA		18 8 81
0740004	KINGCASSO		16 4 81
0740008	MINOVA		23 2 81
0740009	PICKNO		23 2 81
0740023	CANUS		16 7 81
0740058	CAMBERLEY		16 7 81
0740059	CAMPESTRA		16 7 81
0780001	BARBARA	25 3 81	
0880027	MINNESOTA WIDGET		16 7 81
1020001	COMMODORE	27 2 81	

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