

# FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE

Mr. Dan F. POYNTER  
President of C.I.V.L.  
P.O. Box 4232  
SANTA-BARBARA Ca 93103  
=====

U.S.A.

PARIS, November 4th 1976.

Dear Mr. President,

I am sending to Members of F.A.I. and Delegates/Observers of C.I.V.L. copies of the C.I.V.L. Minutes of the meeting held in Kössen last September.

Regarding Item VI a), concerning World Championships rules, it is necessary to recall the following points :

Section 7 of the F.A.I. Sporting Code (Hang Gliding) was circulated last July, after having been approved by C.I.V.L., C.A.S.I. and Council. In accordance with the Resolution adopted in New-Delhi by the General Conference in 1970, all sections of the Sporting Code must remain valid for a minimum period of four years.

However, in the case of C.I.V.L. and since this is a completely new and evolving discipline, it should be possible to adapt certain parts of Section 7, while taking into account the new principles agreed at the General Conference of Tehran last October.

As was specifically agreed at the Kössen meeting, these adaptations concern :

(i) new definitions of the three Hang Glider Classes, in accordance with the actual "State of the Art" and in view of the experience gained at the First World Championships;

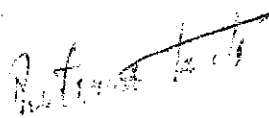
(ii) addition of new "tasks" to the two (duration and landing accuracy) which exist as of this date. This is a complement not an amendment.

(iii) introduction of a second "proficiency badge" to the elementary one already in existence (complement, not amendment).

(iv) provisions for setting up a panel of judges, as mandatory per Section 1 of the Sporting Code of F.A.I. (Art.S.1.1.), which also appear desirable in view of the future contents of the tasks in Hang Gliding World Championships.

The above additions or adaptations to Section 7 of the Sporting Code will have to be approved by C.A.S.I. at one of its forthcoming meetings.

Yours sincerely,



Bertrand LARCHER  
Deputy Director General

copy to : Mr. Kroes, President of C.A.S.I.

All Aero-Clubs (Active Members and Associate Members for Hang Gliding)

Members of C.I.V.L.



FEDERATION AERONAUTIQUE INTERNATIONALE  
COMMISSION INTERNATIONALE DE VOL LIBRE (HANG GLIDING)

M E M O R A N D U M

To : C.I.V.L. Delegates  
From : The President  
Date : 22nd October 1976 (received in F.A.I. on November 2nd 1976)

1, Calendar 1977

January

1 : Committee Status Reports due.

February

17 : Hang Gliding Symposium, London

18 : CIVL Bureau meeting, London

March

5-15: Pan American Championships, Santiago, Chile.

(early) : C.A.S.I. Meeting, Paris

June

(tba) : C.A.S.I. Meeting, Paris

July

15 : Deadline for C.I.V.L. agenda items. Send to Secretary Robb.  
Committee working papers must be submitted to the Secretary for coordination and forwarding to Paris. More than two months for translation, reproduction and distribution are required so that documents may be circulated in time for consideration by C.I.V.L.

18 : U.S. National Hang Gliding Championships (Site : Probably Heavener, Oklahoma).

October

2-8 : F.A.I. General Conference, Roma.

8-22 : Second World Hang Gliding Championships, Barberton, South Africa.

25-26 : C.I.V.L. Meeting, Paris.

2, Congratulations to all delegates for an exceptionally smooth, positive and cooperative meeting in Kössen. A great deal was accomplished during the most enjoyable two days' session and we now have the organization necessary to accomplish our goals.

3, Our Sub-Committee system is functioning nicely. It permits delegates to concentrate their time in those areas which interest them most and it confines detailed debate to the smaller informal "Working Groups".

Delegates are reminded that they have a responsibility to their country and to the C.I.V.L. to represent their own people and to participate in Committee Work., i.e. if you want something changed, you must do it. Here is the procedure :

a, Write up your proposal with arguments and supporting documents and send it to the appropriate Sub-Committee Chairman. He will coordinate the proposal, duplicate it and send it to his Committee Members for comment. You and the Sub-Committee chairman may then work together on digesting the comments and drafting a revised document. If there is wide disagreement, it will be necessary to distribute the new document to the Committee again.

- b, The Sub-Committee chairman will send the completed project to the Secretary by 15th July, per the above calendar schedule. (so, you can see that time is short).
- c, F.A.I., Paris must distribute the proposal to all delegates and National Aero-Clubs six weeks prior to the C.I.V.L. Meeting, thus allowing everyone sufficient time to read, digest and debate it. Remember that in some countries, particularly the larger ones, the delegate must consult certain Committees or the national association on some important items. This takes time.
- d, The Sub-Committee, or "Working Group", will meet in Paris on 25th October 1977 and may make final minor changes to the document putting it in final form.
- e, the proposal is then presented to all the delegates for vote on 26th October 1977 at the Plenary session.

It is necessary to follow this formalized schedule in order to allow all interested parties an opportunity to participate.

The Sub-Committees, as presently constituted, are as follows :

- 1, World Championships Rules  
Harry Robb, USA (Chairman)  
Mike Ollive, South Africa  
Murray Sargisson, New-Zealand  
Ann Welch, Great-Britain
- 2, Judges  
Rod Murphy, South Africa (Chairman)
- 3, Hang Glider Class Specifications  
Mike Harker, West Germany (Chairman)
- 4, Tow Launching  
Harry Robb, USA (Chairman)
- 5, Manufacturing Standards  
Juan Garcia, Denmark (Chairman)
- 6, Training Methods and Training Safety  
Bernard Berthou, France (Chairman)
- 7, Accident Data Collection and Analysis  
Roman Camps, Spain (Chairman)
- 8, Proficiency Standards and Badge Design  
Ann Welch, Great Britain (Chairman)
- 9, World Records  
Martin Hunt, Great-Britain (Chairman)  
John Farnan, Canada
- 10, Insurance  
Sepp Himberger, Austria (Chairman)

Each delegate should serve on 1-2 Sub-Committees; pick the ones that interest you most. Let me know as soon as possible on which Sub-Committees you would like to serve. I shall assign you to the ones you wish as best I can considering regional representation and committee size. While committee meetings are open to all delegates, the size of the Working Groups must be kept reasonably small to facilitate work by mail between meetings. Remember, if all delegates were on all Sub-Committees, we would have a "Committee of the whole" thus defeating the purpose of the sub-committee system.

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- 4, Many thanks to Secretary Harry Robb for the outstanding job in recording the Minutes and their voluminous attachments.
- 5, Recently, the F.A.I. published and the General Conference approved the official C.I.V.L. delegates list as reflected by their files as of 14th September 1976. Only 18 nations are listed and some of the names are unknown to the President. Delegates should check with their National Aero-Clubs to make certain they are listed properly.
- 6, Harry Robb, Chairman of the World Championships Rules Committee, is redrafting the competition rules to include items agreed upon at the September Kössen meeting. He has announced the following schedule :
  - 1 Dec. 76 : Draft to be mailed to the committee members and the C.I.V.L. Bureau (President and Vice-Presidents).
  - 1 Jan. 77 : Deadline for return of the draft with comments to Mr. Robb.
  - 15 Jan. 77 : Completed proposal to be sent to F.A.I. in Paris (six weeks prior to the C.A.S.I. Meeting).
  - 18 Feb. 77 : Completed proposal to be submitted to the C.I.V.L. Bureau at their meeting in London.
  - 2nd March 1977 : Completed proposal to be submitted to C.A.S.I. for approval.

Rod Murphy, South Africa, has generously offered to print this additional text as an Annex to Section 7 in both English and French. This should be accomplished prior to 1st May 1977. Informal photocopied versions should be available in March. More important, the Glider Class Specifications are attached to the Minutes.

- 7, Ann Welch, Great Britain, Chairman of the Proficiency Standards and Badge Design Committee, has completed the Section 7 Badge Annex and is obtaining price quotes on the design we agreed upon in Kössen. Delegates are reminded that the requirements for the Bronze and Silver Badges have been agreed upon, but that those of the Gold Badge have yet to be introduced.

Mrs. Welch has volunteered to draft the World Championships bid form so that potential hosts might know what is to be expected of them and so that we can more effectively evaluate all bids. The Hang Gliding World Championships schedule is as follows :

- I. 1976 : Kössen, Austria (completed)
- II. 1977 : Barberton, South Africa
- III. 1979 : France, Site tba.
- IV. 1981 : Great-Britain (Bid provisional).

- 8, Sub-Committee Chairmen are requested to send a status report to the President by 1st January 1977. The report should list all projects under consideration and their current status. Projects are not expected to be completed, we simply want to know who is working on what and what the progress is.
- 9, The C.I.V.L. Bureau is scheduled to meet in London on 18th February. Facilities are being provided by the Royal Aeronautical Society.

Signed : Daniel F. Poynter

President, CIVL P.O. Box 4232 Santa-Barbara Ca 93103 U.S.A.  
Tel : (805) 968-7277

N.B. : Please note that Section 7 of the F.A.I. Sporting Code (Hang Gliding) is available from F.A.I. Headquarters.

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FEDERATION AERONAUTIQUE INTERNATIONALE  
COMMISSION INTERNATIONALE DE VOL LIBRE ( C. I. V. L. )  
INTERNATIONAL HANG GLIDING COMMITTEE

MEETING AT KOSSEN, AUSTRIA, ON 14 SEPTEMBER 1976

M I N U T E S

Drafted by Harry W. Robb, U.S.A., Secretary CIVL, approved by Dan Poynter, President CIVL, and received at FAI Office on 2 November 1976

Were present : In the Chair : Mr. Dan POYNTER, President CIVL (U.S.A.)

Mrs. Ann WELCH, Honorary President CIVL (U.K.)

AUSTRALIA .....	Mr. Bill MOYES, Delegate
AUSTRIA .....	Mr. Sepp HIMBERGER, Delegate
CANADA .....	Mr. Willi MULLER, Delegate
	Mr. John FARNAN, Alternate Delegate
DENMARK .....	Mr. Juan GARCIA, Delegate
FINLAND .....	Mr. Rainer WEGELIUS, Delegate
FRANCE .....	Mr. Bernard BERTHOU, Delegate
	Mr. Andre MERCORELLI, Observer
	Mrs. Elisabeth BRUNET-CAVALLINI, Observer
GERMANY (FED.REP.) .....	Mr. Mike HARKER, Delegate
	Mr. Manfred BUCHHEIMER, Observer
HUNGARY .....	Mr. Marton ORDODY, Observer
ITALY .....	Mr. Jean-Marie CLEMENT, Observer
	Mr. Roland CAVALLINI, Observer
JAPAN .....	Mr. Asahi MIYAHARA, Delegate
	Mr. Yoshiki OKA, Observer
LIECHTENSTEIN .....	Mr. Sepp ENDER, Delegate
NEW ZEALAND .....	Mr. Murray SARGISSON, Delegate
NORWAY .....	Mr. Fredrik DAHL, Delegate
POLAND .....	Mr. Jerzy LUTKOWSKI, Delegate
	Mrs. Elisbieta LUTKOWSKI, Observer
SOUTH AFRICA .....	Mr. Mike OLLIVE, Delegate
	Mr. Rod MURPHY, Observer
	Mr. John COASBY, Observer
SPAIN .....	Mr. Roman CAMPS, Delegate
SWEDEN .....	Mr. Erwin KJELLERUP, Delegate
	Mr. Alf ERIKSSON, Observer
SWITZERLAND .....	Mr. Uli SPORRI, Observer
UNITED KINGDOM .....	Mr. Martin HUNT, Delegate
UNITED STATES OF AMERICA .....	Mr. Harry ROBB, Delegate and Secretary CIVL
	Mr. Vern BUNDTREE, Observer
	Mr. Scott PRICE, Observer
	Mr. Zane WADLEY, Observer

F.A.I. : Mr. Bertrand LARCHER, Deputy Director-General

APOLOGIES FOR ABSENCE WERE RECEIVED FROM : Messrs. Vicente ARCE (CHILE)  
Tom HUDSON (IRELAND)  
Vic POWELL (U.S.A.)

8.11.1976

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I. ADOPTION OF THE AGENDA

- a) Discussion of V.e) (Rogallo) and V.g) (World Championships) was moved to Item VI (New Work).
- b) Mr. Sepp Himberger extended an invitation from the Mayor of Kössen to lunch at 1230 at the Post Hotel.
- c) Mr. Bertrand Larcher invited Delegates and Observers to sign their names on the F.A.I. Register.

II. APPROVAL OF MINUTES OF THE LAST MEETING (26/27.11.1975)

These minutes were approved.

III. REPORT BY THE PRESIDENT OF CIVL

Mr. Dan Poynter, President, commented as follows :

Since the CIVL is a young organization, most of our background is recent history. The Organization Manual distributed with the Agenda was prepared by Mr. Robb, USA, Secretary CIVL, to record the decisions of the Delegates at the last CIVL Plenary Meeting.

The first World Hang Gliding Championships in Kössen, with 25 participating nations must set a record for a first official championship. This CIVL Meeting with Delegates from 17 countries, and Observers from these and 3 additional countries demonstrates the current interest in hang gliding.

Hang gliding and the CIVL are bringing new members into the F.A.I., and are causing some NAcC's to pay their past-due F.A.I. contributions.

This is the finest collection of hang gliding experts ever assembled. The Sub-Committee Chairmen who met with all interested Delegates on the previous day are doing a fine job of making recommendations for the advancement of the sport to keep pace with the technological developments of the manufacturers, and the flying capability of the competitors.

Three Memos had been distributed by the President since the last meeting. One important change in Hang Glider Class Specifications was made to promote flying safety in design for the 1976 World Championships. One had come a long way in two years, but there was still a lot to do. Working for and with CIVL and the FAI was exciting because the sport of hang gliding was rediscovering aviation.

IV. UNFINISHED BUSINESS

- a) National Official Observers: Report by Mrs. Ann Welch (United Kingdom) (see Annex 1)
- b) Insurance - Mr. Sepp Himberger.  
No pattern of insurance has developed. Austria has individual insurance. France has accident insurance through normal channels. United Kingdom has third party insurance. Lloyds of London offers insurance through recognized official organizations with responsible control. USEGA is negotiating liability insurance for \$5.00 per year if sufficient members participate. Spain has \$5.00 per year Air Sport Insurance through its NAcC.  
It was agreed that Mr. Himberger would act as Chairman of the Insurance Sub-Committee for 1976-1977.



V. REPORTS BY CHAIRMEN OF SUB-COMMITTEES

- a) Accident Review Board. Report by Mr. Juan Garcia (Denmark).  
There had been no interchange of information during the past year.

The Instructor Certification Program of USHGA, written by Mr. Dennis Pagen, and the new Hang Glider Manufacturers Association Performance Specifications have been submitted by US Delegate Mr. Harry Robb. Mr. Robert Wills, monitor of the USHGA Accident Review Program, had submitted an analysis of hang glider accidents to date. This information was available to all Delegates.

President Dan Poynter proposed and the Committee agreed to establish three Sub-Committees :

1. Manufacturing Standards, Mr. Juan Garcia (Denmark)
2. Accident Data Collection and Analysis, Mr. Roman Camps (Spain).
3. Training Methods and Training Safety, Mr. Bernard Berthou (France).

b) Judges Program

A complete document for setting up a panel of Judges was presented and discussed. A few changes were considered and accepted.

Motion : To accept the document as amended. PASSED. (See Annex 2)

Mrs. Ann Welch moved that the CIVL Bureau review the document and that it then be incorporated in an Annex to the Sporting Code, Section 7.

The Motion was voted and passed.

Mr. Bernard Berthou reported that the FFVL had a Judges Training License Program that was available to anyone requesting a copy.

c) and Proficiency Standards and Proficiency Badge Design, Mrs. Ann Welch (U.K.)  
d)

Mrs. Welch reviewed the current International Badge rating requirements.

Motion : To delete the words "Ground clearance must be at least 100 meters" in para. : 2.1.1. of the Sporting Code Section 7

Motion Passed.

Rating requirements for a second, more advanced badge proposed by Mr. Vic Powell, USA, Chairman of the Proficiency Standards Sub-Committee were presented by Mrs. Welch.

Motion : To amend the proposal to allow requirements to be accomplished in one, two, or three flights. Motion voted and passed.

Mrs. Welch proposed that three International Delta-shaped badges be adopted as the FAI Proficiency Badges. A drawing of the badge was distributed. The 1976 FAI International Badge would become the International Delta Bronze. Two additional badges, to be called Delta Silver and Delta Gold, were proposed. The FAI International Delta Silver Badge would be awarded for the new proficiency standard. (See Annex 3 for review of badge design and rating requirements).

Motion : To adopt the FAI Badge design as presented.

Motion voted and passed.

Mrs. Welch proposed that the first 100 Delta Silver Badges be issued from FAI, be numbered, and the names of the pilots be entered in an International Register. After the first 100 Badges, each NAeC would direct the manufacture and issue of the Delta Silver Badge, and Bronze Badges.

Motion : To accept the proposal. Motion voted and passed.

Mrs. Welch proposed that the FAI International Delta Bronze Badge, when available, should be awarded to each contestant listed in the Official Final Results of the 1976 World Championships.

Motion : To adopt the proposal. Motion voted and passed.

Mrs. Ann Welch accepted Chairman of Proficiency Badge Design Sub-Committee for 1976-1977.

After lunch, the Meeting was reconvened and President Dan Poynter expressed his thanks to the Mayor of Kössen for the lunch invitation.

Motion : To make the expression of thanks a formal resolution of the CIVL Delegates. Motion voted and approved.

f) Tow Launching Report, Mr. Alf Eriksson (Sweden)

Mr. Eriksson summarised the discussion of the sub-committee meeting on the previous day as follows :

1. Information should be exchanged between all interested Delegates by means of articles in hang glider magazines in each country.
2. Information should cover the following areas :  
Hang glider specifications for safe towing.  
Proper tow vehicles and towing equipment for the vehicle and glider.  
Specifications for tow lines, safety bridles, safety releases.  
Preflight planning and equipment inspection.  
Towing techniques for the tow boat driver and safety-releaseman.  
Towing techniques for the pilot of the hang glider.  
Instruction methods and techniques.  
Flying safety "Do and Don't" suggestions.
3. Request that the Organizers of the 1977 World Championships in South Africa include a seminar or some activity of tow launching in their program.
4. Reference was made to the document on tow launching for hang gliding which was distributed to all Delegates.

Motion : To request the Organizers of the 1977 World Championships in South Africa to include a seminar on tow launching, and, if possible, demonstrations of land tow launching for all interested persons. Motion voted and passed.

Mr. Rod Murphy responded that the proposal and motion would be included in the planning of the program.

h) World Records Sub-Committee Report, Mr. Martin Hunt (United Kingdom)

It was reported that no adverse comments had been received on the World Records portion of the FAI Sporting Code Section 7, and it was recommended that the document remains as written.

President Dan Poynter appointed Mr. John Farnan (Canada) to monitor the program and make recommendations for any necessary changes.

VI. NEW BUSINESS

- a) - Hang Glider Competition Classes, Mr. Mike Harker (Federal Republic Germany)  
Revised standards for three competition classes of hang gliders in World Championships were presented after having been coordinated with Delegates by Mr. Mike Harker and Mr. Harry Robb.

There was discussion on a number of points, and amendments were offered to clarify several items. The program was tabled for presentation after modifications were made. At a later stage the document as amended was presented.

Motion : To accept the document as amended. Motion was voted and passed.  
(see Annex 4)

- Modified Tasks for World Championships Rules, Mr. Mike Ollive (South Africa)

Mr. Ollive explained that in examining the required changes to the current World Rules, it was deemed necessary to effect a complete reorganization to include the necessary changes and additions, based on the experience gained in the current World Championships.

During the discussion, several amendments were suggested.

The Deputy Director General then explained that FAI Rules and procedures were based on the assumption of a minimum duration of Sporting Codes of four years. Only limited exceptions to that principle could be accepted. This was one of the basic working conditions of the organization and it was designed to avoid instability and confusion. This principle applied to Championship rules as well as other provisions in the Codes.

After considerable discussion and a recess, President Dan Poynter moved that the discussion be tabled for further work and presentation later in the meeting. The motion was voted and passed.

- b) Extension of the Sporting Code to include World Rules, Mr. Martin Hunt (U.K.)  
Inclusion of the World Rules in the Sporting Code Section 7, as printed by FAI has superseded this item.

- c) and d) Boat Tow Launch, Mr. Harry Robb, U.S.A.

Printed copies of the USHGA Official Tournament Rules had been mailed to most Delegates earlier. Additional copies were supplied at this time. Mr. Robb explained that the Rules had been developed from four years of international level boat-tow launch competitions at Cypress Gardens, Florida, USA. They have proved very adequate in providing guidance in all situations for the flyers and judges.

During the discussion, Mr. Robb suggested that the subject : "Bid for a 1978 World Cup" be incorporated in the discussion. A package of information had been mailed to most of the Delegates earlier, or was made available.

After much discussion, the following motion was proposed :

Motion : To establish a working group authorized to sanction World Cup boat-tow launch competition, based on the USHGA Rules, and to report to CIVL on the results. Mr. Robb (USA) to be Chairman.

After considerable discussion pro and con on the advisability of CIVL becoming involved in tow launch activities, Mr. Poynter asked if the Delegates were prepared to vote.

A motion to vote was voted and passed. The motion was voted and passed.

- e) Establishment of a Technical Committee, Mr. Sepp Himberger (Austria)  
Mr. Himberger declared that the idea of a Technical Committee was adequately included in the new Safety Committee Program.

- f) Automatic Qualification of Previous World Champions

Mr. Farnan (Canada) offered the idea that the first 3 places in each class be invited by the Sponsors of the World Championships to attend and defend their titles. There was much discussion pro and con on the advisability of preempting this decision from each country involved. It was suggested that only the winner in each class be invited. It was suggested that each country should have the option and responsibility of including previous World Champions on their National World Team without qualification the year of the World Championships, or of requiring each member of the Team to qualify in accordance with the system in force in the country that year.

Motion : The 1-2-3 winners in each Class in this competition should be invited to defend their titles as individuals in the next World Championships.

Motion was voted and defeated.

- g) CIVL Promotion and Finances, Mr. Martin Hunt (U.K.)  
After the presentation, Mr. Larcher, FAI, offered to explain FAI Finance procedures. Thereafter, Mr. Hunt suggested that his report be withdrawn.

- VI.a) (continued) The new Tasks and Annex on Scoring were presented.

After some discussion, it was proposed that the 1977 CIVL Bureau review and prepare the final version for future use.

Motion : To accept the document as presented for review by the CIVL Bureau for later publication by CIVL. Motion was voted and passed.

## VI. a) (continued)

Revised World Championships Rules were presented by Mr. Mike Ollive.

Motion : To adopt the Rules as amended and presented.

Mr. Larcher, Deputy Director General of FAI, explained that the Sporting Code Section 7 Hang Gliders was to be presented to the General Conference at Teheran in October 1976. As a rule, Sporting Code Sections remain valid for a minimum of four years. Therefore a general revision of Championships rules in Section 7 could only take place at a later stage.

Motion : To accept the complements and modifications to the Sporting Code Sec.7 as proposed for reference to the CIVL Bureau and Mrs. Ann Welch for further study and refinement. Final consultation on procedures to be followed will be arranged with the General Directorate of F.A.I.

Motion was voted and passed.

VII. WORLD CHAMPIONSHIPS

- a) 1977 World Championships, Status Report, Mr. Rod Murphy, South Africa. Mr. Murphy, Representative of South Africa for the 1977 World Championships read a status report on the details of planning for the FAI World Championships at Barberton, South Africa (8-22 October). No problems in providing a good flying site with adequate accommodation for all personnel were anticipated. The report was accepted by the CIVL Delegates as confirmation of South Africa as Host and Sponsor of the 1977 World Championships in Hang Gliding (see Annex 5).

Entry fees were estimated to be between 600 and 900 US\$ including transport, accommodation and breakfast.

All FAI Members would be admitted without exception.

South Africa would undertake at its own expense the printing and circulation in English and French of the Annex to be added to Section 7 of the Sporting Code.

- b) 1979 World Championships  
Mr. Bernard Berthou (France) confirmed his bid for the 1979 World Championships for France. He requested information on the deadline for confirmation of location and dates of the Championships.

Mr. Larcher, FAI, declared that the following information should be submitted at the next CIVL Meeting in 1977 :

- Location of Championships.
- Dates of Championships.
- Estimate of costs to Team Members (Entry Fees)

Motion : To accept the bid of France for the 1979 World Championships, contingent on submission of the required information at the next CIVL Meeting in 1977.

Motion was voted and passed.

- c) Appointment of the President of the International Jury for the 1977 World Championships

Nominations were requested and tabulated as follows :

1. Erwin Kjellerup, Sweden
2. Roman Camps, Spain

The votes were collected, and counted. Results were as follows : Roman Camps, Spain.

Mr. Rod Murphy proposed that Mr. Kjellerup be appointed Vice President of the International Jury, and travel to South Africa at the Organiser's expense.

Motion was voted and passed.

Mr. Martin Hunt (U.K.) made an unofficial proposal that the United Kingdom host the 1981 FAI World Championships. This was noted.

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VIII. ELECTIONS

Nominations for President :

1. Mr. Mike Harker (G.F.R.) Declined
2. Mr. Bernard Berthou, France Declined
3. Mr. Dan Poynter, USA, declared 1976/1977 President by acclamation.

President Dan Poynter asked all nominees for Vice President to consider the working aspects of the duty, and to agree to serve on the Bureau.

Nominations for Vice Presidents (three)

1. Mr. Bernard Berthou, France - Accepted
2. Mr. Roman Camps, Spain - Accepted
3. Mr. Jean Garcia, Denmark - Accepted
4. Mr. Martin Hunt, U.K. - Accepted
5. Mr. Sepp Himberger, Austria - Declined
6. Mr. Asahi Miyahara, Japan - Declined
7. Mr. Bill Moyes, Australia - Declined
8. Mr. Mike Ollive, S. Africa - Declined

After an explanation by President Poynter that the vote would be for three of the nominees, with the three persons receiving the most votes declared as the three Vice-Presidents, Mr. Ollive asked that he be allowed to change his decision and accept the nomination. This request was granted, and his name was added to the list of nominees for Vice Presidents.

The votes were collected by Mrs. Elisabeth Brunet-Cavallini, France, and supervised by Mr. Bertrand Larcher, FAI. Results were as follows :

- Mr. Roman Camps, Spain
- Mr. Martin Hunt, United Kingdom
- Mr. Mike Ollive, South Africa.

Nominations for Secretary were requested and tabulated as follows :

1. Mrs. Elisabeth Brunet-Cavallini, France - Accepted
2. Mr. Fredrik Dahl, Norway - Declined
3. Mr. Harry Robb, USA - Accepted
4. Mr. Murray Sargisson, New Zealand - Declined

The votes were collected by Mrs. Brunet-Cavallini and supervised by Mr. Larcher, FAI. Results were as follows :

Mr. Harry Robb, U.S.A., Secretary.

IX. DATE AND PLACE OF NEXT MEETING

It was proposed that the next meeting be held immediately following the 1977 World Championships as scheduled this year. There was considerable discussion of the problems of the FAI schedule when the meetings are not held in Paris. It was considered that most of the Delegates would be routed through Europe on their way to and from South Africa, and therefore it would be feasible to meet in Paris.

Motion : To hold the next CIVL Meeting at FAI Headquarters in Paris, immediately following the 1977 World Championships on Tuesday-Wednesday, 25-26 October 1977

Motion voted and passed

President Dan Poynter, USA, thanked all Delegates for their attendance, their work, and their perseverance, and adjourned the meeting.

A summary of these Minutes, prepared as an addition to the Organization Manual of 1976, is included as Annex 6.



## F.A.I. OFFICIAL OBSERVERS

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1. AUTHORITY

In accordance with the F.A.I. Sporting Code, Section 7, dated 1976, Section 2.3.1, official control of World Record and of FAI Proficiency Ratings shall be effected by Observers approved by or acting on behalf of an NAeC.

2. QUALIFICATION

Official Observers shall possess, as a minimum, the FAI International Delta Bronze Badge, or the equivalent rating of their NAeC, be persons of integrity and honor, and thoroughly understand the FAI Sporting Code to do their job carefully and properly, in observing and certifying records and ratings.

3. APPOINTMENT

1. Official Observers may be appointed by the NAeC or its delegated representative such as a National Hang Gliding Association.
2. The number of Official Observers and the term of the appointment shall be determined by each NAeC. Appointments may be withdrawn for cause.
3. Assistants for observation of any flight shall be appointed by the Official Observer as required.

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8.11.1976





F.A.I. INTERNATIONAL JUDGES PROGRAMC.I.V.L. (HANG GLIDING)1. PANEL OF INTERNATIONAL JUDGES

1. At any World Hang Glider Championships, all activities which concern the Starting, Observing, Judging and Scoring of the competitors' performance, shall be carried out by a Panel of FAI International Judges.

2. QUALIFICATIONS FOR FAI INTERNATIONAL JUDGES IN HANG GLIDING

1. The NAEc must certify that the proposed Judge is competent to be an International Judge based on experience and training in the use of timing equipment and in judging hang gliding competition at two National and one International Championships (International may substitute for National Meets), in the following capacities :
  - A. Meet Director or Assistant Meet Director
  - B. Start Judge
  - C. Landing Judge
  - D. Pylon or Gate Judge
  - E. Measurer
  - F. Timer
  - G. Scorer
2. However, persons who hold Parachuting or other aeronautical International Judges Licenses need only fulfill the above duties at one National Championships to qualify for the International Hang Gliding Judges License.

3. APPOINTMENT OF INTERNATIONAL JUDGES

1. Forty five days prior to the CIVL Plenary Meeting which precedes the World Championships, each NAEc shall submit to the FAI the names of their qualified International Judges who are able to serve at the World Championships.
2. At the CIVL Meeting, the World Championships Organisers shall state how many International Judges are required for the conduct of the competition. Each Delegate may then nominate one Judge plus an alternate from the approved list. If the number of Judges exceeds the requirement, a vote will be taken to determine the Judges accepted by CIVL for the competition. If fewer than the required Judges are nominated, the Organisers may invite additional National Judges from their own or other NAEc's.

4. SELECTION OF THE CHIEF JUDGE AND ASSISTANT CHIEF JUDGE

1. From the panel of Judges accepted for the competition, the Organisers shall nominate two persons for the position of Chief Judge to be selected by vote of the Delegates. In the event of failure of the Chief Judge to accept the position, the second nominee and the Assistant Chief Judge shall be invited to serve as Chief Judge in that order.
2. After the selection of the Chief Judge, the Delegates may nominate any other judges for Assistant Chief Judge, to be selected by vote of the Delegates. In the event that he has to assume the position of Chief Judge, the Organisers shall in consultation with the President of CIVL and the Chairman of the Jury, appoint an Assistant Chief Judge.

- ## 5. THE CHIEF JUDGE DUTIES

- ## 6. THE ASSISTANT CHIEF JUDGE DUTIES

- ## 7. TASK JUDGES

- ## 8. DISQUALIFICATION OF INTERNATIONAL JUDGES

9. ACCOMMODATION OF THE PANEL OF INTERNATIONAL JUDGES

Rod Murphy, South Africa

$\frac{1}{2} \rightarrow \frac{1}{2} \rightarrow \frac{1}{2} \rightarrow \frac{1}{2} \rightarrow \frac{1}{2}$

8.11.1976


# F.A.I. INTERNATIONAL PROFICIENCY STANDARDS AND BADGES FOR HANG GLIDING

## 1. GENERAL

1. The International Proficiency Badge program was designed to test the pilot's proficiency by requiring him to demonstrate the minimum skills considered necessary to safely fly in international competition.
2. The Rating Badge qualifies the holder to participate in open hang gliding competitions and shall be valid in all countries represented by the F.A.I.
3. Ratings shall be valid for a lifetime.

## 2. INTERNATIONAL PROFICIENCY BADGES

1. Since the delta shape has become the internationally recognized symbol for hang gliding world wide, it was chosen for the basic element of the design of three proficiency level badges, as follows
 

FAI International Delta Bronze	Bronze		Light/mid
FAI International Delta Silver	Silver		Blue Delta
FAI International Delta Gold	and Gold		
2. Badges could be manufactured by FAI, by any country, or purchased from any country producing them
 

Circular	Wreaths 1 - 1.5 cm diameter
----------	-----------------------------

## 3. ADMINISTRATION

1. Ratings are administered by the National Aero Clubs (NAeC) or their designated affiliate, i.e. National Hang Gliding Association. If a flyer is a national of a country having no NAeC, the NAeC of the country controlling the flight shall register the ratings, and a rating may be made in any country in the World.
2. FAI International Proficiency Badges are issued to flyers who satisfy requirements established for each rating.
3. The flyer is responsible for insuring the completeness of all forms and paperwork, and forwarding it to the NAeC.

## 4. CERTIFICATION PERSONNEL

1. Official Observers appointed by the NAeC must possess the FAI International Delta Bronze Badge or the equivalent NAeC rating, as a minimum requirement. Assistants may be appointed by the Official Observer.
2. The Official Observer for rating may be of the country of the flyer, or of the country in which the flight is carried out, at the flyer's discretion. An Official Observer may not act in such capacity for any rating attempt in which he is the flyer or passenger.
3. The Official Observer must personally witness and certify the rating flight maneuvers of the flyer.

## 5. FAI INTERNATIONAL DELTA BRONZE BADGE RATING REQUIREMENTS

1. A distance of not less than two (2) kilometers must be flown over a course marked by two pylons not less than one-half (1/2) kilometer apart, terminating with a controlled landing. The course requires two 90 degree turns, and three 180° turns, with a controlled landing within 25 meters of a designated point.

(The skills required to fly the course conform in a reasonable manner to those outlined in the USHGA Hang 3 Rating.) This is the minimum level of experience any flyer should have before attempting to fly an unfamiliar mountain site.

6. FAI INTERNATIONAL DELTA SILVER BADGE RATING REQUIREMENTS

1. A distance of not less than fifty (50) Kilometers (31 miles) must be flown in a cross country flight.  
A height of not less than 1 000 meters (3 300 feet) must be gained above the launching height.  
A time of not less than 5 hours must be acquired in a duration flight.

The above may be performed separately or on the same flight.

7. FAI INTERNATIONAL DELTA GOLD BADGE RATING REQUIREMENTS

1. Requirements for this rating have not been established at this time.

8. SPECIAL ISSUE DECISIONS BY CIVL

1. The FAI International Delta Bronze Badge, when available, shall be awarded to each contestant listed in the Official Final Results of the 1976 World Championships.
2. The first 100 Delta Silver Badges to be awarded would be issued from FAI Headquarters in Paris, and entered on an Official International Register.

Ann Welch (United Kingdom)

-:-:-:-:-:-:-:-:-:-

8.11.1976

FAI WORLD CHAMPIONSHIPS AND INTERNATIONAL COMPETITION  
HANG-GLIDER CLASS SPECIFICATIONS  
=====

A. GENERAL

1. Flight instruments are permitted in all Classes.
2. Communication devices are prohibited in all Classes.
3. Specifications and airworthiness certificates, or equivalent, required in each Class for each glider.

B. COMPETITION CLASS 1

1. The frame shall consist of four structural components which include two leading edge spars, one keel spar, and one ~~cross~~ spar. The cross spar may be in two sections. Spars may not have performed bends.
2. Flexible surface aerofoil.
3. Pilot weight-shift control only, aerodynamic controls prohibited, including spoilers.
4. Maximum aspect ratio shall be 4.5.
5. Minimum wing loading shall be 5.00 kg/m<sup>2</sup> (1.00 lb/ft<sup>2</sup>)
6. Capsule or partial capsule fairing of pilot is prohibited.

C. COMPETITION CLASS 2

1. Flexible surface aerofoil.
2. Pilot weight-shift control only, aerodynamic controls prohibited, including spoilers.

D. COMPETITION CLASS 3

1. Rigid surface aerofoils and aerodynamic controls are permitted.

E. NOTES :

1. Any item is permitted if not prohibited.
2. Wing loading calculation shall be take-off weight.
3. Sail area shall be projected sail area. (Surface area.)
4. Aspect ratio is wing span<sup>2</sup> /projected sail area. (Surface area.)
5. Aspect ratio will be measured for winning placements only at end of competition. Gliders not meeting specifications will be disqualified.
6. Class 3 tasks shall be suited to the higher L/D of Class 3 Gliders
7. Flexible surface aerofoil is one which does not retain its flight configuration at rest.
8. Any physical means to produce energy to increase performance will not be allowed.

Mike Harker, G.F.R.  
Harry Robb, U.S.A.

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8.11.1976

The first part of the paper discusses the importance of maintaining accurate records of all transactions. It is essential for the company to have a clear and concise record of all financial activities, including sales, purchases, and expenses. This will allow the company to track its performance over time and identify areas for improvement.

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2nd WORLD HANG GLIDING CHAMPIONSHIPS  
BARBERTON, SOUTH AFRICA

8-22 October 1977

Bulletin No. 1

September 1976.

PLACE : The competition will be held at BARBERTON, which is 350 kilometers east of Johannesburg.

DATE : The competition starts on Saturday 8 October 1977 and runs through Saturday 22 October 1977, a period of two weeks. This period is the spring season in South Africa.

FLYING SITE : The landing area is 950 meters above sea level. The first launching site is 550 meters above the landing area (1500 meters AMSL) and the second launching site is 950 meters above the landing area (1900 m AMSL). The horizontal distance from the first launching site to the landing area is 2000 meters (2 kilometers). There is usually lift in this area, so there should be no problem with the new Competition Class 1 hang gliders.

ENTRY FEE : The entry fee will include :

1. Air transportation for competitors and gliders to South Africa.
2. Sleeping accommodation in caravans (travel trailers).
3. Breakfast only.

Prices of food and other items are as follows :

Lunch	\$1.00	Coca Cola	\$0.15
Dinner	\$3.00	Beer	\$0.40
Cigarettes	\$0.45	Whiskey	\$0.50

TASKS : The intention is to include as much variety as possible to demand a wide range of flying skills.

BULLETINS : Frequent bulletins will be distributed from November 1976 onward. If you would like to receive these bulletins, please send your name and address to :

2nd World Hang Gliding Championships  
P.O. Box 33191  
Jeppestown 2043  
South Africa

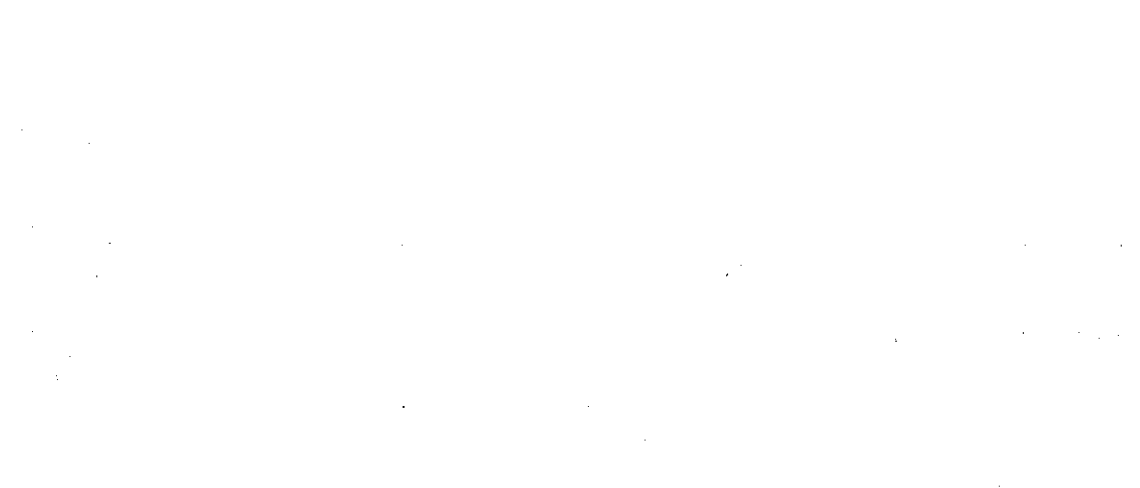
Rod Murphy, South Africa

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8.11.1976

N.B. Annex 5 is available in English only.

**Fig. 1** Distribution of *Channa argus* in the Amur River basin



the Amur River basin. The species was found in the upper and middle reaches of the river, and was not found in the lower reaches. The species was found in the Amur River basin, and was not found in the Heilong River basin.

## Methods

### Study area

The Amur River basin is located in the north-east of China, and is one of the largest river basins in the world. The river is 4,845 km long, and has a drainage area of 1,650,000 km<sup>2</sup>.

The Amur River basin is divided into three main regions: the upper reaches, the middle reaches, and the lower reaches. The upper reaches are located in the north-east of China, and the middle reaches are located in the north-east of Russia.

The Amur River basin is a major source of water for the region, and is also a major source of fish. The river is home to many species of fish, including *Channa argus*.

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SUMMARY OF DECISIONS BY C.I.V.L.

1. An International Judges Qualification Program has been established. National Judges will be nominated in accordance with the qualifications outlined in the program, to serve as Officials in World Championships. Service will be voluntary and without remuneration by the host country.  
Mr. Rod Murphy (South Africa) is Chairman of the 1977 Committee.
2. Each National Hang Gliding Association shall be responsible for establishing qualifications for National Official Observers to monitor and certify World Record Attempts, and FAI Proficiency Badge Ratings.
3. World Record Attempts are to be made in accordance with FAI Sporting Code, Section 7 Hang Gliders 1976, as previously established.  
Mr. John Farnan (Canada) will monitor the program and propose new ideas.
4. The 1975 proposed International Badge program was never implemented. It is now expanded to include 3 levels of flying proficiency - International Delta Badges in Gold, Silver, and Bronze. When made available, the Delta Bronze Badge was voted by the Delegates to be awarded to each contestant listed in the Official Final Results of the 1976 World Championships. The first 100 Delta Silver Badges to be awarded will be issued from FAI Headquarters in Paris and entered on an Official International Register. Thereafter, each country may manufacture and issue the International Delta Silver Badge in accordance with the flying proficiency requirements.  
Mrs. Ann Welch (United Kingdom) is Chairman of the 1977 Committee.
5. A few countries reported availability of economical public liability and personal accident insurance, but most countries reported continuing difficulties with this problem. Mr. Martin Hunt (United Kingdom) reported that Lloyds of London insures national organizations with responsible control programs, and recognized by their National Aero Club.  
Mr. Sepp Himberger (Austria) is Chairman of the 1977 Committee.
6. Accident Prevention Program. Chairman Juan Garcia (Denmark), acknowledged receipt of the US HGMA construction specifications, and the New Performance Specifications as proposed, plus the USHGA Instructors Certification Program by Mr. Dennis Pagen, provided by US Delegate Mr. Harry Robb. Also, Accident Data Analysis had been received from Mr. Robert Wills, Sr. representing the USHGA Accident Reporting Program. No interchange of information had been accomplished between Delegates of all countries.  
A request for additional published information relative to Training and Safety from any source was addressed to all Delegates. An expanded Committee was formed :
  1. Manufacturer Standards, Mr. Jean Garcia (Denmark).
  2. Accident Data Collection and Analysis, Mr. Roman Camps (Spain).
  3. Training Methods and Training Safety, Mr. Bernard Berthou (France).
7. Boat-tow launch hang glider demonstration flights by Messrs. Bill and Steve Moyes were presented for all Delegates at Walchsee lake near Küssen.
8. Authority was voted to establish a working group with the Tow Launch Committee to schedule a World Cup Competition in 1977 at Cypress Gardens, Florida, governed by the USHGA Boat Tow Launch Official Tournament Rules. A report will be made to FAI and CIVL on the results of the meet for consideration of establishing a World Championship in tow launch hang gliding. Other international competitions will be encouraged. Note : An International Competition is planned at Santiago, Chile, in March 1977.  
Mr. Harry Robb (USA) is Chairman of the 1977 Committee.

9. Rod Murphy, Alternate Delegate and South Africa Representative for the 1977 World Championships, presented a status report on the details of planning for the FAI World Championships at Barberton, South Africa, (8 through 22 October 1977). The report was accepted by the CIVL Delegates as confirmation of South Africa as Host and Sponsor of the 1977 FAI World Championships in Hang Gliding.
  10. France reaffirmed its formal bid as Host for the 1979 FAI World Championships which was generally accepted. The United Kingdom made a provisional bid for the 1981 World Championships.
  11. Modifications and or additions to World Rules for the 1977 World Championships will be further considered by the CIVL Bureau, before submission to FAI for publication as additions to, and interpretation of, the current World Championship Rules. The proposals approved by the CIVL Delegates are as follows :
    1. Additional Tasks for Competition Class 1 and 2.
    2. Special Tasks for Competition Class 3.
    3. Rotation of launch take-off Order of Flying.
    4. Defined launch take-off refusal options.
    5. Landing interference reflight for landing score only, not flight score.
    6. Multiple zone target accuracy landing replaces precision measurements.
    7. Landing quality relates only to landing score, not to flight score, however landing must still be made in Landing Zone to validate flight score.
- Mr. Harry Robb (USA) is Chairman of the 1977 Committee.
13. Modification of the World Competition Class Specifications was extensive to allow for the normal evolution of glider design in future years.  
Mr. Mike Harker (Federal Republic of Germany) is Chairman of the 1977 Committee.
  14. Election of CIVL Officers for 1977 :  

Mr. Dan Poynter (USA), President	Mrs. Ann Welch (U.K.) President d'Honneur
Mr. Roman Camps (Spain), Vice President	
Mr. Martin Hunt (United Kingdom), Vice President	
Mr. Mike Ollive (South Africa), Vice President	
Mr. Harry Robb (USA), Secretary	
  15. The next Annual Meeting of CIVL will be held in Paris, France, on Tuesday-Wednesday 25-26 October 1977, following the 1977 FAI World Championships.
  16. Mr. Roman Camps (Spain), was elected Chairman of the Jury for the 1977 FAI World Championships. Mr. Erwin Kjellorup (Sweden), was elected Vice Chairman.

Harry Robb, Secretary CIVL  
1 October 1976

# FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE

## F. A. I.

TELEPHONE : 723-72-52  
720-93-02  
ADR. TÉLÉGR. : FÉDAÉRO-PARIS

SIÈGE SOCIAL :  
6, RUE GALILÉE  
75782 PARIS CEDEX 16

PARIS. LE

17.9.1976

CHAMPIONNAT DU MONDE DE VOL LIBRE - WORLD HANG GLIDING  
CHAMPIONSHIPS, KÖSSEN, 1-12.9.1976

### MEILLEURS RESULTATS - BEST RESULTS

CLASSE 1 → "ex standard Rogallo"

Points

- |                                     |        |
|-------------------------------------|--------|
| 1. C. STEINBACH (AUTRICHE, AUSTRIA) | 455 05 |
| 2. J. STEINBACH (AUTRICHE, AUSTRIA) | 436 04 |
| 3. R. DUNCAN (AUSTRALIE, AUSTRALIA) | 432 41 |

CLASSE 2 → class 2

- |                                       |        |
|---------------------------------------|--------|
| 1. T. DELONE (N. ZELANDE, NEW ZELAND) | 458 82 |
| 2. D. KUPCHANKO (CANADA)              | 450 11 |
| 3. S. MOYES (AUSTRALIE, AUSTRALIA)    | 438 32 |

CLASSE 3

- |                                      |        |
|--------------------------------------|--------|
| 1. K. BATTLE (AUSTRALIE, AUSTRALIA)  | 415 38 |
| 2. S. PRICE (U.S.A.)                 | 403 19 |
| 3. O. HOFSTETTER (SUISSE, SWITZERL.) | 396 80 |

→ class 2  
~~paragliding~~

Nous adressons nos sincères félicitations aux gagnants et  
nos vifs remerciements aux organisateurs.

We wish to convey our congratulations to the winners and our  
sincere thanks to the organisers.

