

**2 ND INT. VISUAL FIELD  
SYMPOSIUM**

**tübingen**

**19 - 22 SEPTEMBER 1976**

**programme**



**INTERNATIONAL  
PERIMETRIC  
SOCIETY**

**PROGRAMME**

**SECOND INTERNATIONAL VISUAL FIELD SYMPOSIUM**

**19—22 SEPTEMBER 1976**

**'Zahn' Hall of the  
UNIVERSITY OF TÜBINGEN  
WEST GERMANY**

SECRETARIAT DURING THE SYMPOSIUM:

Symposium Bureau,  
2nd International  
Visual Field Symposium,

Schleichstrasse-12  
UNIVERSITÄTS-AUGENKLINIK  
D 74000 TÜBINGEN 1  
W. Germany

SECRETARIAT AFTER THE SYMPOSIUM:

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SYMPOSIUM ORGANIZING COMMITTEE:

E. Aulhorn, Tübingen  
A. Dubois-Poulsen, Paris  
H. Harms, Tübingen  
E. L. Greve, Amsterdam  
V. Herzau, Tübingen  
M. Foerster, Tübingen

IPS COMMITTEE MEMBERS:

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Honorary Members	: H. Goldmann
	H. Harms
	L. Sloan

## SYMPOSIUM BUREAU

During the symposium all information will be provided by the Symposium Bureau located in the Eye Clinic. The Symposium Bureau will provide the following services:

- Registration Office: (19.9.76/11:00-19:00)      Collection of all symposium fees
- Information Office:      — Accommodation inquiries  
                                 — General inquiries  
                                 — Symposium Folder  
                                 — Abstracts  
                                 — Receipts and name badges
- Proceedings Office:      Collection of the complete manuscripts of all communications presented during the symposium.

## LANGUAGE

The official language of the symposium will be ENGLISH. Simultaneous translation will not be possible. However, if requested, a few of the more multilingual IPS members will translate the more important aspects of a communication.

## ABSTRACTS

At the Symposium Bureau the abstracts of all communications will be available to all registered participants.

## PROCEEDINGS

All registered participants will be sent a copy of the proceedings free of charge.

**Note to speakers:** Manuscripts which are received after the symposium can no longer be accepted for publication in the proceedings volume. The complete manuscript (ready for print) must be in the possession of the Symposium Secretariat before the end of the symposium at the very latest.

## EXHIBITIONS

There will be a continuous exhibition of perimetric literature and apparatus in the Eye Clinic.

## **PROGRAMME**

### **SUNDAY, 19 SEPTEMBER**

11:00–19:00 REGISTRATION AT THE SYMPOSIUM BUREAU.

14:00–16:00 MEETING OF THE IPS RESEARCH GROUP ON  
STANDARDIZATION OF PERIMETRY.

16:00–18:00 IPS COMMITTEE MEETING.

19:00–21:00 WELCOME PARTY IN THE ART CENTER  
(KUNSTHALLE).

**MONDAY, 20 SEPTEMBER**

08:30-08:45 SYMPOSIUM INTRODUCTION

08:45-10:30 SESSION I:  
AUTOMATION OF PERIMETRY  
CHAIRMAN: F. FANKHAUSER

(08:45-08:55)

F. Fankhauser, H. Bebie, J. Spahr

"Three years of experience with the OCTOPUS automatic perimeter."

(08:55-09:05)

E. Aulhorn, W. Durst

"Comparing investigation with automatic and manual perimetry in different visual field defects."

(09:05-09:10)

E. L. Greve, H. Groothuysse

"Patient response in semi-automatic perimetry."

(09:10-09:20)

E. Gauger

"Computer stimulation of examination procedures for the Automatic Tübingen Perimeter."

(09:20-09:30)

J. C. Pashley

"BIPAS- an automated apparatus for screening and further examination of the visual field."

(09:30-09:40)

A. Heijl

"Computerized glaucoma visual field screening."

(09:40-09:50)

F. Korner, F. Fankhauser, J. Spahr

"The interpretation of threshold noise and variability of bitemporal field defects followed with manual and automated perimetric techniques."

(09:50-10:30)

DISCUSSIONS

10:30-11:00 COFFEE, EXHIBITIONS

**MONDAY, 20 SEPTEMBER**

- 11:00-13:30 SESSION II:  
VISUAL FIELD IN GLAUCOMA  
CHAIRMAN: S. M. DRANCE
- (11:00-11:10)  
S. M. Drance, E. Werner  
"Effect of trabeculectomy on the progression of glaucomatous visual field changes."
- (11:10-11:20)  
E. Aulhorn, H. Karmeyer  
"Frequency distribution in early glaucomatous visual field defects."
- (11:20-11:25)  
C. Wheeler  
"The reproducibility of static perimetry in glaucoma."
- (11:25-11:30)  
A. I. Friedmann  
"Experience with a new 100 hole plate for the visual field analyzer in glaucoma."
- (11:30-11:40)  
E. Shinzato, R. Suzuki, F. Furuno  
"The central visual field changes in glaucoma, using Goldmann perimeter and Friedmann Visual Field Analyzer."
- (11:40-11:50)  
E. L. Greve, W. M. Verduin  
"Detection of early glaucomatous damage."
- (11:50-12:00)  
H. Kosaki, H. Nakatani, H. Tsukamoto, M. Nakauchi  
"Topographical studies of field defects in various stages of primary chronic glaucoma."
- (12:00-12:05)  
R. LeBlanc  
"Peripheral nasal field defects."
- (12:05-12:15)  
H. Nakatani, Y. Shimizu, A. Kikkawa, N. Suzuki  
"Moiré topographic method for measuring the depth of papillary excavation."
- (12:15-12:20)  
Ph. Demailly, L. Papoz  
"Long term study of visual capability in relation with intra-ocular pressure in chronic open angle glaucoma."
- (12:20-12:25)  
F. Grehn  
"The influence of short-term IOP elevation and hypoxia on the impulse conduction in the nerve fibre layer of the cat retina."
- (12:25-12:35)  
S. M. Drance  
"The effects of intraocular pressure reduction on visual function in glaucoma."
- (12:35-13:30)  
DISCUSSIONS

**MONDAY, 20 SEPTEMBER**

13:30-15:00 LUNCH, EXHIBITIONS

15:00-16:20 SESSION III:  
OBJECTIVE PERIMETRY; INCLUDING ELECTRO-PERIMETRY  
CHAIRMAN: G. H. M. VAN LITH

(15:00-15:10)  
G. H. M. van Lith  
"Perimetry and electrophysiology."

(15:10-15:20)  
H. Matsuo, S. Hamazaki  
"Quantitative perimetry and local ERG in the diseases of macular and Bjerrum area."

(15:20-15:30)  
M. Foerster  
"Comparison of electroretinographic and subjective perimetry in retina diseases."

(15:30-15:40)  
E. C. Campos, S. Fonda  
"Patterned evoked potentials in objective perimetry."

(15:40-15:50)  
C. Ellenberger, S. B. Ziegler  
"Static perimetry and visual evoked potentials in multiple sclerosis."

(15:50-16:00)  
T. Aoyama, K. Kani  
"Pupillographic perimetry."

(16:00-16:10)  
J. v. d. Kraats, E. P. Smit  
"Objective perimetric measurements by the pupil balance method."

(16:10-16:20)  
DISCUSSION

16:20-16:45 TEA, EXHIBITIONS

16:45-18:15 GUIDED TOUR TO BEBENHAUSEN MONASTERY

20:00- VISIT TO LOCAL PUBS "WEINSTUBEN" IN SMALL GROUPS  
(not included in symposium fee)



**TUESDAY, 21 SEPTEMBER**

08:30-10:30 SESSION IV:  
VISUAL FIELD IN DISEASES OF THE FUNDUS AND OPTIC DISC;  
TOXIC AMBYOPIA  
CHAIRMAN: E. AULHORN

(08:30-08:40)  
N. Eno, A. Abe  
"Perimetry under television ophthalmoscopy."

(08:40-08:50)  
Y. Isayama  
"Quantitative maculometry in the optic neuropathy by a new instrument in cases of optic neuropathies."

(08:50-09:00)  
E. L. Greve, D. Bakker  
"Differential static perimetry in central defects."

(09:00-09:05)  
H. Lüddecke, M. Foerster  
"Follow-up results in toxic neuritis fasciculi optici by ethambutol (ERG and Visual Field)."

(09:05-09:15)  
S. Narasaki, J. Noguchi, K. Tokuda, T. Suzuki, S. Takasaki  
"Experimental study of chloroquine retinopathy."

(09:15-09:25)  
E. Aulhorn  
"Visual field defects in B12 - avitaminosis."

(09:25-09:35)  
M. Zingirian  
"Visual field defects after photocoagulative treatment of diabetic retinopathy."

(09:35-09:45)  
A. Dubois-Poulsen  
"The retinal photocoagulation as a physiological experiment."

(09:45-09:55)  
E. Alexandridis, B. I. Wedler  
"Restitution of the retinal sensitivity after cured retinal detachment."

(09:55-10:30)  
DISCUSSIONS

10:30-11:00 COFFEE, EXHIBITIONS

**TUESDAY, 21 SEPTEMBER**

11:00-13:00 SESSION V:  
VISUAL FIELDS IN NEURO-OPHTHALMOLOGY  
CHAIRMAN: H. BYNKE

(11:00-11:10)

H. Harms, B. Schlicke

"Visual Field defects in diseases of the fasciculus opticus."

(11:10-11:20)

W. Leibowitz, C. A. Johnson

"Differences in the processing of peripheral stimuli."

(11:20-11:30)

L. O. Harvey, Jr

"Hemispherical representation of the visual mid-line in humans."

(11:30-11:40)

F. Furuno

"Some aetiological aspects on the homonymous scotoma."

(11:40-11:50)

E. L. Greve, M. Raakman

"Atypical chiasmal visual field defects."

(11:50-12:00)

L. Frisen, M. Hölm

"Visual field defects associated with chorioretinal folds."

(12:00-12:05)

J. L. van Dijk

"Pituitary tumors and Visual Field defects."

(12:05-12:15)

R. Fulmek

"Perimetric detection of chiasmal injury after contusion of skull and brain."

(12:15-12:20)

A. I. Friedmann

"Experience with a new 100 hole plate on the Visual Field Analyzer in neuro-ophthalmology."

(12:20-12:30)

H. Bynke, A. Heijl

"A portable hemianopsia tester."

(12:30-13:00)

DISCUSSIONS

13:00-14:00 LUNCH, EXHIBITIONS

**TUESDAY, 21 SEPTEMBER**

14:00-15:45 SESSION VI:  
FREE PAPERS ON METHODOLOGY  
CHAIRMAN: H. MATSUO

(14:00-14:10)  
R. A. Weale  
"A note on stray light in the Tübingen perimeter."

(14:10-14:20)  
F. J. Bajandas, J. B. McBeath, J. L. Smith  
"Congenital homonymous hemianopia."

(14:20-14:25)  
Ch. Bedwell  
"The effect of pupil size on multiple static quantitative visual field thresholds."

(14:25-14:40)  
J. M. Enoch, C. A. Johnson  
"Human psychophysical analysis of receptive field-like properties: (two parts)."

(14:40-14:50)  
H. Lüddeke, E. Aulhorn  
"Static perimetry by changing of the size of the test mark and constant luminance of the test mark."

(14:50-15:00)  
C. Magis  
"Theoretical consideration about sensitivity gradient in visual field."

(15:00-15:05)  
R. F. Dannheim  
"Kinetic perimetry with threshold stimuli."

(15:05-15:15)  
J. Vola, J. Jayle, M. Chauvet, L. Cornu, G. Leprince  
"Kinetic meridional thresholds at three luminance white backgrounds (photopic, mesopic, scotopic)."

(15:15-15:45)  
DISCUSSIONS

**TUESDAY, 21 SEPTEMBER**

15:45-16:15 TEA, EXHIBITIONS

16:15-16:45 SESSION VII:  
FREE PAPERS ON SQUINT  
CHAIRMAN: V. HERZAU

(16:15-16:20)  
INTRODUCTION

(16:20-16:30)  
V. Herzau  
"Perimetry of suppression scotomas with phase difference haplo-  
scopy."

(16:30-16:40)  
E. C. Campos  
"Binocular visual field examinations in patients with small-angle  
comitant estropia."

(16:40-16:45)  
DISCUSSION

18:00-19:00 OFFICIAL RECEPTION BY THE LORD MAYOR AT THE ANCIENT  
TOWN HALL.

19:30- SOCIAL EVENING AT BEBENHAUSEN MONASTERY.

**WEDNESDAY. 22 SEPTEMBER**

08:30-10:30 SESSION VIII:  
COLOR PERIMETRY  
CHAIRMAN: G. VERRIEST

(08:30-08:35)

M. Maione

"The clinical assessment of the peripheric color vision."

(08:35-08:40)

L. Ronchi, F. Galassi

"Absolute threshold for monochromatic stimuli of various size and duration across the visual field."

(08:40-08:50)

T. J. Carlow, J. Flynn, T. Shipley

"Color perimetry parameters."

(08:50-08:55)

G. Verriest

"Spectral increment thresholds on a white background in different age groups of normal subjects."

(08:55-09:00)

A. Israel

"Perimetrie Cinetique Coloree."

(09:00-09:10)

R. Lakowski, W. Wright, K. Oliver

"High luminance chromatic Goldmann perimeter."

(09:10-09:15)

F. Bartoli

"Laser light in static perimetry."

(09:15-09:25)

F. Dannheim

"Color perimetry in chiasmal lesions."

(09:25-09:35)

G. Verriest, A. Uvijls

"Spectral increment on a white background in acquired ocular diseases."

(09:35-09:45)

E. Hansen

"Investigation of retinitis pigmentosa by use of specific quantitative perimetry."

(09:45-09:50)

V. J. Marmion

"The results of a comparison between the Hunderd Hue test and static color perimetry."

(09:50-10:30)

DISCUSSIONS

**WEDNESDAY, 22 SEPTEMBER**

10:30-11:00 COFFEE, EXHIBITIONS

11:00-13.00 SESSION IX:

GENERAL MEETING OF THE IPS

CHAIRMAN: E. AULHORN.

AGENDA

- Treasurer's Report
- Announcements
- Election of the new Committee Members
- Suggestions for the location of the Third International Visual Field Symposium
- Research Group Summaries
- Closing Speech (Prof. A. Dubois-Poulsen).

13:00-14:00 LUNCH, EXHIBITIONS

15:00- POST-SYMPOSIUM BUS TOUR TO THE SWABIAN HILLS,  
LICHTENSTEIN CASTLE.

(not included in symposium fee).