



International Society for Clinical Biostatistics

News

Number 18

June 1995

Editor: David W. Warne

Executive Committee 1994/95

(* = elections at AGM, 1995: see p.4)

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Editorial

May Week was in June, to borrow the title from Clive James' third autobiography. No this isn't a repeat of last year's June editorial! The editor's office has moved from one part of Switzerland to another. Excuse me if I slip in the odd German or French word - I've been translating between the 2 recently. Please also note the changes of address of 2 other ExCom members, especially ISCB Secretary Stephen Senn's move, also from Basel, to London.

Other things have changed too. The content of this news has a strong emphasis on conferences, in Barcelona, Budapest and Boston, as well as some welcome news about Basel'94.

As for the future, I've a growing feeling that the days of newsletters and journals printed on paper may be numbered. Those of you who access the Internet may be aware of a growing number of mailing lists where topics of interest can be distributed to 100s of interested people, and answers received and compiled within days or even hours. Another new development is the availability of information on the World Wide Web (WWW). Want to know something about the FDA, or the answer to a tricky SAS problem? It's all there for a few clicks of your mouse.

Thanks once again to the contributors to this News: Stephen Senn, Karsten Schmidt, Bela Hajtman, Nancy Geller and Lluís Jover and the Barcelona team.

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ISCB Membership

The ISCB membership is still growing, slowly but steadily. Please note that if you attended Basel and haven't renewed your membership, this will be your last News.

	Maastricht		Brussels		Cambridge				Basel			
	ISCB10		ISCB12		ISCB14		Survey		ISCB15			
	Sep89	end89	Jul91	end92	Sep93	Dec93	Jan94	Apr94	Jul94	Dec94	May95	
Total	276	261	859	596	377	715	240	439	305	698	428	
# Countries	19	23	30	32	27	32	24	26	22	31	28	
#	Country											
1	UK	33	50	86	90	128	176	58	80	51	120	76
2	Germany	39	30	80	67	39	75	25	48	42	84	48
3	Sweden	14	23	37	51	22	53	12	35	20	54	40
4	France	29	30	78	52	26	62	18	34	21	50	33
5	Switzerland	10	14	24	25	8	22	12	20	68	80	26
6	USA	13	18	227	45	16	40	21	27	14	39	26
7	Poland	1		3	11	2	11	2	8	4	24	
8	Belgium	5	13	99	22	13	27	17	21	13	30	23
9	Netherlands	94	14	46	30	23	38	12	26	22	33	22
10	Hungary		1	4	21	1	17	2	18	4	18	19
11	Italy	11	16	47	33	23	37	11	23	8	32	19
12	Denmark	3	4	14	58	23	38	12	23	8	31	18
13	Spain		10	14	12	9	18	4	11	6	12	12
14	Norway	4	13	17	18	10	25	9	18	3	22	11
15	Canada	3	6	35	12	5	14	4	9	6	14	10
16	Australia	2	6	12	9	2	11	4	6		6	9
17	Austria	7	4	4	9	6	11	5	8	6	13	8
18	Finland	3	2	4	7	4	7	2	8	2	9	8
19	Japan	3	2	10	6	4	7	3	4	1	5	4
20	Hong Kong				1		1	1	2		2	2
21	Ireland	1	1	1	2	1	3	2	3		4	2
22	Israel		1	3	3	3	4	1	2	3	4	2
23	Portugal		1	4	3	2	5		1		2	2
24	Slovenia			1	1	1	2	1	2	1	3	2
25	South Africa				1	3	4	2	1		1	2
26	China				1	1	1				1	1
27	India	1		1	1		1				1	1
28	Malaysia											1
29	Russia											1
30	Columbia			1								
31	Czech. Rep.						1		1		1	
32	Greece				1	1	1			1	1	
33	Kenya			2	1	1	1					
34	Kuwait		1									
35	Mexico			1								
36	New Zealand				1					1	1	
37	Oman		1									
38	Philippines			1								
39	Thailand			2	1		1					
40	Turkey			1	1		1					
41	Zimbabwe										1	

Aims of ISCB

The Society was founded to stimulate research on the principles and methodology used in the design and analysis of clinical research, to increase the relevance of statistical theory to the real world of clinical medicine, and to provide a common forum through meetings and publications for the exchange of knowledge, experience and ideas among clinicians, statisticians and members of related disciplines (e.g. epidemiologists, clinical chemists and clinical pharmacologists) working or interested in the field of clinical biostatistics.

RANDOM HARVEST

A Muesli of Quotations Culled by Guernsey McPearson (Fifth helping !)
(a glutton for punishment)

On the necessity of action despite conflicting evidence:

And take case of a man who is ill. I call two physicians: they differ in opinion. I am not to lie down, and die between them: I must do something.

Samuel Johnson

On a common form of medicine:

I only treat illnesses that don't exist: that way if I can't cure them, there's no harm done.

Norton Juster, *The Phantom Tollbooth*

Non-monotonicity of the dose-response curve:

Il n'est pas si dangereux de faire du mal à la plupart des hommes, que de leur faire trop de bien.

La Rochefoucauld

(Free translation: *an excess of benevolence may prove a greater evil than a modicum of spite.*)

On the true value of trial plans:

Upon the whole, it may be admitted that the pedestrian should carry a map, but he should not consult it often, and he should always cherish the thrilling and secret thought that it may be all wrong.

G K Chesterton

On why failure to find a difference does not constitute proof of equivalence:

I own, in one case, whenever a man's conscience does accuse him (as it seldom errs on that side), that he is guilty...but the converse of the proposition will not hold true.

Laurence Sterne, *Tristram Shandy*

On randomisation:

I shot an arrow in the air, it fell to earth I know not where.

Longfellow

Decision analysis?

.....reduced the theory and practice of human life to a caput mortuum of reason, and dull, plodding, technical calculation.

Hazlitt

On dirty data?

Ten thousand saw I at a glance.

Wordsworth

On why, with the best will in the world, there is a limit to how early one can produce a statistical analysis.

"Data! data! data! he cried impatiently, "I can't make bricks without clay."

Conan Doyle (Sherlock Holmes)

AGM Notice

Notice of a General Meeting of the Society.

A general meeting of the International Society for Clinical Biostatistics will be held at the conference site in Barcelona

Facultat de Biologia
Avda Diagonal 645
08208 Barcelona

14.00 to 16.00 on Wednesday 2 August 1995.

Nominations are invited for two places on the committee.

Nominations for the committee and items for the agenda may be communicated to the secretary of the Society, Stephen Senn as follows:

Before 1 July 1995:

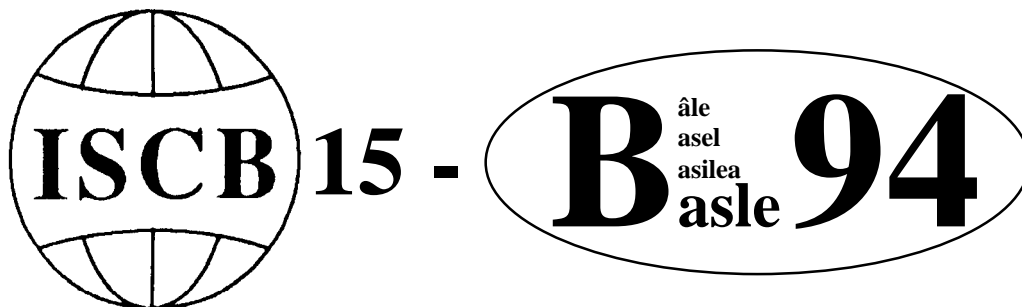
K490.3.39
CIBA
CH4002 Basle
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After 1 July 1995

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Stephen Senn, Secretary

1994 Conference: Au Revoir



ISCB-15 in Basle, Switzerland
Stephen Senn

ISCB15 expects to make a profit of approximately CHF 29,000 rather than the anticipated loss. The courses were very popular and made a good profit.

Computer Corner

At last I've got away from slow or breaking-down computers and old software and am using the latest equipment: Word6, a great improvement on Word2 (if only they knew) and a 486 PC, much faster than my old work PC. It's also portable, so when travelling round on trains, as I have been rather a lot recently, I can compose emails to be sent off on arrival using a pocket-sized PCMCIA modem. And no doubt you'll have noticed the improvement in the print quality over last time, thanks to an HP LJ4. Oh, and there's the scanner, CD-ROM...

In 1989 I spent a summer in Düsseldorf in Germany, and first discovered the delights of email across the Internet. In 1991 I applied for some jobs in Australia by email (if only I'd not been offered the Swiss job...). In 1993 email started to reach the non-academic world, and the flow of ideas between academic and pharmaceutical statisticians began to take off. What is the situation In 1995 ?

I must admit, the possibilities are much greater than I had imagined. First on the scene were mailing lists where members with an interest in common can send and receive questions, notices, job adverts etc. for the benefit of the whole list. Examples of these lists are:

Allstat: mainly UK list of about 1600 statisticians (send a note containing the text <i>Join Allstat Your Name</i> to mailbase@mailbase.ac.uk)
Clinical_Trials: smaller, quieter list of clinical trialists (send a note containing the text <i>subscribe clinical_trials</i> to majordomo@world.std.com)
Edstat-I: US education based list of 700 people (send a note containing the text <i>subscribe edstat-I Your Name</i> to listserv@jse.stat.ncsu.edu)
iasc: Italian based list of 215 people interested in statistical computing (send a note containing the text <i>subscribe iasc Your Name</i> to listproc@stat.unipg.it)
sas-I: US based list, 1050 SAS users ! (send a note containing the text <i>subscribe sas-I Your Name</i> to listserv@uga.cc.uga.edu)
saspac-I: more SAS and stats. (send a note containing the text <i>subscribe saspac-I Your Name</i> to listserv@vtvm1.cc.vt.edu)
stat-I: 1100 members, Canadian stats list. (send a note containing the text <i>subscribe stat-I</i> to listserv@vm1.mcgill.ca)

Some of these list have a lot of traffic, especially allstat, edstat-I, stat-I and sas-I, so you can elect to have notes compiled into a digest and sent once a day (not Allstat).

But what of the future ? I've been exploring the World Wide Web (WWW), a graphical way of looking at numerous information sources on the Internet. It's truly amazing what you can find: staff and publications at various statistics departments of Universities from Australia to Canada, information about the FDA and its guidelines, digitised photos of Switzerland... To get you started, here are a few places to start. There's no point in providing a complete list as all the WWW pages have links to other sources so you can quickly surf cyberspace to your heart's content by simply clicking on the mouse...

Statistics at Monash University http://www.maths.monash.edu.au/stats/ Some Statistics Resources on the Web http://www.maths.monash.edu.au/stats/stats_resources.html dms home page http://www.dms.csiro.au/ UofM: Department of Statistics WWW Server http://www.stats.mu.oz.au:8001/ The World-Wide Web Virtual Library: Statistics http://www.stat.ufl.edu/vlib/statistics.html Regulatory Affairs Home Page http://www.cybernetics.net/users/RAinfo/reglink1.htm	Biostatistics, Medical and Statistics Resources http://www.biostat.washington.edu:80/statres.html Statistics Resources http://www.biostat.washington.edu/statres/stat.html StatLib Index http://lib.stat.cmu.edu/ SAS Institute Inc. http://www.sas.com SAS Institute Technical Support Services http://www.sas.com/ts/intro.html University of Reading Applied Statistics Home Page http://www.rdg.ac.uk/AcaDepts/sn/home.html
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To start, I would recommend an excellent review article by Andreas Krause (andreas.krause@chbs.mhs.ciba.com):
<http://orac.biostat.washington.edu/~arossini/stat-services/>
More next time... !

ISCB Advertising Rates

The current costs are:

Full A4 page: £180
Half A4 page: £100
Quarter A4 page: £ 60

Additionally, we will include loose flyers with the distribution of the newsletter at an initial handling cost of £25. However, if the addition of the flyer(s) increases the postal charges, the advertiser will also be charged the difference in distribution costs. For further information, please contact the editor.

Books

(1) The following books are available for review. Please contact the editor if you would like one or more of them. Reviewers are allowed to keep the book(s) that they reviewed (3.5" disks or email preferred, deadline for reviews: end of October 1995). Publishers: please send me some new books !

Marcel Dekker, New York & Basel:

Kocherlakota S & Kocherlakota C (1992)
Bivariate discrete distributions

Lutz EW (ed) (1991)
Future demographic trends in Europe and North America: What can we assume today ?

Welling PG & Tse FLS (eds.) (1995)
Pharmacokinetics: regulatory, industrial, academic perspectives. 2nd edition.

PWS-Kent, Boston:

Scheaffer RL (1990)
Introduction to probability and its applications

(2) Reviews awaited:

- D. Owens: Guarino (Marcel Dekker): New drug approval process
- Singer & Upton (Marcel Dekker): Guidelines for laboratory quality auditing
- J. Singer: Maxwell & Delaney (Wadsworth): Designing experiments and analyzing data:
A model comparison perspective
- Ott & Mendenhall (PWS-Kent): Understanding Statistics

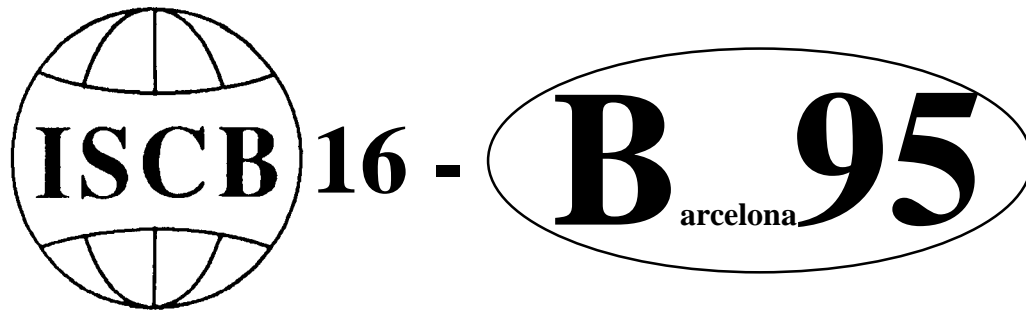
Software

(3)(a) **EaSt**, a commercially produced program for sequential designs has recently been offered to us by ISCB member Cyrus Mehta. The reviewer can keep the package for free afterwards !

(3)(b) **PEST3** is the new version of the highly successful sequential methods program produced by Reading University, England-UK, and used and supported by many leading pharmaceutical companies.

(4) Reviews still awaited:

- S. Evans: N, Nsurv, TESTIMATE (IDV, Gauting)
- J. Houghton: Random (Wiedey) and Rancode (IDV)



ISCB-16 in Barcelona, Spain
Luis Jover

BAR-CEL-ONA is more than ISCB-16

Take your diary, erase all appointments from 31 July to 4 August and write "Barcelona ISCB Meeting": So easy ... !

You can expect to find an interesting and attractive scientific programme, prepared by the Committee chaired by Michael Campbell. Plenary sessions will run from Tuesday to Thursday (August 1-3) on Computer Intensive Methods, Latent Variable Models, Bayesian Methods, Analysis of Repeated Measurements and Quality-of-Life Data. One hundred and sixty papers have been accepted for presentation, either as oral communications (20 contributed papers sessions) or as posters. And there are some "extras": two full-day courses on Repeated Measurements and Survival Analysis (Monday, July 31) and a Mini-Symposium on Prevention Trials (Friday, August 4). A nice (and warm, in all sense) Mediterranean city with a Mediterranean way of life are additional motivations to come.

Split BARCELONA into its three syllables and find their illustrative meaning in Catalan, our language: BAR, means the same as in English; CEL, means sky (blue, with 95% confidence) and ONA, means wave (Mediterranean, sure enough). Would you want anything else for the summer ? From the old Gothic Quarter to the Modernist architecture of Gaudi and the newborn '92 Olympic areas, Barcelona has plenty of enchantment for the visitor. Communications are good: you can drive a highway all the way down from Basle, if you are still there. Look at your newspaper's information on currency exchange and you will find yet another reason for not missing ISCB-16.

So, come on: Take your diary We are looking forward to meet you here !

A Registration and Accommodation Form for ISCB16 in Barcelona is included with this News. Additional Calls for Registration are available on request from the ISCB16 Congress Secretariate, fax: +34 3 405 1390

NEWSFLASH... Jun 08, 95 2:22 am:

we have 320 inscriptions, so we will reach the limit of participants quickly...

**PROGRAMME for the 16th MEETING OF THE
INTERNATIONAL SOCIETY FOR CLINICAL BIostatISTICS**

Barcelona, July 31- August 4 , 1995

SCIENTIFIC PROGRAMME OVERVIEW

Monday, July 31

08.00 - 09.00 Registration

09.00 - 10.30 Pre-Conference Courses
 A: Analysis of Repeated Measurements
 - James Lindsey
 B: Survival Analysis
 - David Collett

10.30 - 11.00 Coffee

11.00 - 12.30 Pre-Conference Courses continue

12.30 - 14.00 Lunch

14.00 - 15.30 Pre-Conference Courses continue

15.30 - 16.00 Coffee

16.00 - 17.30 Pre-Conference Courses continue

18.30 Welcome Reception

Tuesday, August 1

08.00 - 09.00 Registration

09.00 - 09.15 Welcome address

09.15 - 10.30 Plenary Session 1:
Computer Intensive methods in medical research

10.30 - 11.00 Coffee

11.00 - 12.30 Plenary Session 2:
Analysis of repeated measurements

12.30 - 14.00 Lunch

14.00 - 15.40 Contributed Papers Sessions:
 1 - Statistical methods for the analysis of
 Quality-of-Life data (1)
 2 - Statistical Modelling (1)
 3 - Bayesian Methods in Clinical Research (1)
 4 - Analysis of repeated measurements (1)

15.40 - 16.10 Coffee

16.10 - 17.50 Contributed Papers Sessions:
 5 - Statistical Methods for the analysis of
 Quality-of-Life data (2)
 6 - Survival Analysis
 7 - Bayesian methods in Clinical Research (2)
 8 - Statistical application in HIV trials (1)

20.00 Conference Dinner

ISCB 16 Barcelona 1995: Programme

SCIENTIFIC PROGRAMME OVERVIEW (continued)

Wednesday, August 2

08.00 - 09.00 Registration
09.00 - 10.30 Plenary Session 3:
Statistical methods for the analysis of quality-of-life data
 10.30 - 11.00 Coffee
11.00 - 12.30 Contributed Papers Sessions
 9 - Statistical refereeing of Medical Journals.
 10 - Computer Intensive Methods.
 11 - Statistical Modelling (2)
 12 - Statistical application in hvi trials (2)
 12.30 - 14.00 Lunch
14.00 - 16.30 Annual General Meeting
 16.30 Social programme

Thursday, August 3

08.00 - 09.00 Registration
09.00 - 10.30 Plenary Session 4:
Latent variable models in biomedical research
 10.30 -11.00 Coffee
11.00 - 12.30 Plenary Session 5:
Bayesian methods in Clinical research
 12.30 - 14.00 Lunch
14.00 - 15.40 Contributed Papers Sessions:
 13 - Analysis of repeated measurements (2)
 14 - Statistical Modelling (3)
 15 - Bayesian Methods in Clinical research (3)
 16 - Dose-response and Phase I trials
 15.40 - 16.10 Coffee
16.10 - 17.50 Contributed Papers Sessions:
 17 - Analysis of repeated measurements (3)
 18 - Statistical Modelling (4)
 19 - Latent variable models in biomedical
 research
 20 - Meta-analysis

FRIDAY, AUGUST 4

08.00 - 08.30 Registration
08.30 - 10.30 Mini-Symposium
Methodological issues of Prevention Trials
 Chairman: Mahesh Parmar (MRC, Cambridge,
 UK)
 THE US TAMOXIFEN BREAST CANCER PREVENTION
 TRIAL
 Theodore Colton (Boston Univ., USA)
 Carol Redmond (Univ. of Pittsburg, USA)
 THE UK TAMOXIFEN BREAST CANCER PREVENTION
 TRIAL
 Jack Cuzick (ICRF, London, UK)
 DATA MONITORING IN PREVENTION TRIALS
 Laurence Freedman (National Cancer
 Institute,
 Washington, USA)

VACCINE TRIALS
 Peter Smith (London School of Hygiene and
 Tropical
 Medicine, UK)
 10.30 - 11.00 Coffee
 11.00 - 13.00 THE MALARIA VACINE TRIAL
 Pedro Alonso (Hospital Clinic, Barcelona,
 Spain)
 ASYMPTOMATIC HIV INFECTION TRIALS
 Michael Hughes (Harvard School of Public
 Health,
 Boston, USA)
 TRIALS IN PREVENTIVE CARDIOLOGY
 Julie Buring (Boston Univ., USA)

ISCB 16 Barcelona 1995: Programme

SCIENTIFIC PROGRAMME DETAIL

MONDAY, JULY 31

08.00 - 09.00 Registration

09.00 - 10.30 Pre-Conference Courses

A: Analysis of Repeated Measurements
James Lindsey (Univ. Liege, Belgium)

B: Survival Analysis
David Collett (Univ. Reading, UK)

10.30 - 11.00 Coffee

11.00 - 12.30 Pre-Conference Courses continue

12.30 - 14.00 Lunch

14.00 - 15.30 Pre-Conference Courses continue

15.30 - 16.00 Coffee

16.00 - 17.30 Pre-Conference Courses continue

18.30 Welcome Reception

TUESDAY, AUGUST 1

08.00 - 09.00 Registration

09.00- 09.15 Welcome address
President of ISCB - Marc Buyse (Belgium)

09.15 - 10.30 Plenary Session 1
Computer Intensive methods in medical research

REDUCTION OF BIAS DUE TO MODEL SELECTION VIA
RESAMPLING & CROSS-VALIDATION TECHNIQUES
Martin Schumacher (IMBI, Freiburg, Germany)

SOME RECENT DEVELOPMENTS IN COMPUTER-INTENSIVE
BIostatistical METHODS
Robert Tibshirani (Univ. Toronto, Canada)

10.30-11.00 Coffee

11.00-12.30 Plenary Session 2
Analysis of repeated measurements

LINEARLY DIVERGENT TREATMENT EFFECTS IN CLINICAL
TRIALS WITH REPEATED MEASURES: EFFICIENT ANALYSIS
USING SUMMARY STATISTICS
Lars Frison (Astra Hasle, Molndal, Sweden)

HOW TO ANALYSE CHANGE OVER TIME
David Hand (The Open University, UK)

MODELS FOR MULTIVARIATE BINARY DATA
Juni Palmgren (Karolinska Univ., Stockholm,
Sweden)

12.30-14.00 Lunch

ISCB 16 Barcelona 1995: Programme

TUESDAY, AUGUST 1: 14.00-15.40 Contributed Papers Sessions CP1 CP2 CP3 CP4

<p>CP1: <u>Statistical methods for the analysis of Quality-of-Life data (1)</u> Chairman: Simon Thompson</p> <p>1 - J.L. Alfonso, P. Cortina, C.Saiz, A. Sabater, Gonzalez, S. Ruiz MEASURING QUALITY OF LIFE: ADJUNTING LIFE EXPECTANCY BY ADDITIONAL CONDITIONS.</p> <p>2 - R.R.A. Cardoso, D. Ballas, S. Wechsler A QUALITY OF LIFE INDEX FOR STUDIES INCLUDING DEATHS.</p> <p>3 - P. Glasziou QUALITY ADJUSTED SURVIVAL ANALYSIS WITH REPEATED QUALITY OF LIFE MEASUREMENTS.</p> <p>4 - D. Fairclough SUMMARY MEASURES FOR COMPARISON OF QUALITY OF LIFE IN CLINICAL TRIALS.</p> <p>5 - M. Bacchi, J. Bernhard, B. Vanwegberg, L. Bacchus, L. Perey, M. Warrick, M. Tomamichel, M. Castiglione, A. Coates, C. Hurny SUBJECTIVE HEALTH ESTIMATION: DEVELOPMENT AND VALIDATION OF A SELF-RATED GLOBAL INDICATOR FOR LARGE SCALE BREAST CANCER TRIALS.</p>	<p>CP2: <u>Statistical Modelling (1)</u> Chairman: Douglas Altman</p> <p>6 - J. Twisk, H. C. G. Kemper, G.J. Mellenbergh, W. Van Mechelen A NEW APPROACH TO TRACKING OF SUBJECTS AT RISK FOR HIPERCHOLESTEREMIA OVER A PERIOD OF 15 YEARS</p> <p>7 - M. Guillem, J.M. Aragay, S. Junca, C. Murillo, "Esca Team". STRATEGIES FOR VARIANCE ESTIMATION IN THE 1994 CATALAN HEALTH SURVEY</p> <p>8 - J. Head, F. North, A. Feeney, M.J. Shipley, M. G. Marmot STATISTICAL ISSUES IN THE ANALYSIS OF SICKNESS ABSENCE DATA</p> <p>9 - L. A. Rodriguez-Carvajal. THE TWO TREATMENT TWO PERIOD CROSSOVER DESIGN WITH MULTIVARIATE RESPONSE FOR TWO GROUPS.</p> <p>10 - J. Whitehead. SEQUENTIAL DESIGNS FOR EQUIVALENCE STUDIES</p>
<p>CP3: <u>Bayesian Methods in Clinical Research (1)</u> Chairman: Amy Racine</p> <p>11 - J.M. Grouin, B. Lecoutre PREDICTIVE PROBABILITY FOR MONITORING CLINICAL TRIALS</p> <p>12 - Y. De Rycke, B. Asselain. BAYESIAN ANALYSIS THERAPEUTIC TRIALS WITH CENSORED DATA</p> <p>13 - S. G. Gilmour, J.E. Farebrother RESPONSE SURFACE METHODS FOR CLINICAL TRIALS</p> <p>14 - K. Abrams, B. Sanso. MODEL DISCRIMINATION IN META-ANALYSIS. A BAYESIAN PROSPECTIVE.</p> <p>15 - D. Williamson, J. Whitehead. ADAPTIVE BAYESIAN METHODS IN DOSE FINDING EXPERIMENTS</p>	<p>CP4: <u>Analysis of repeated measurements (1)</u> Chairman: Juni Palmgren</p> <p>16 - S.M.T. Ayatollahi. A STRUCTURAL ANALYSIS OF CHILD-PARENT OBESITY IN IRAN</p> <p>17 - C.A. Donnelly, N.M. Laird, J. H. Ware. PREDICTION AND CREATION OF SMOOTH CURVES FOR TEMPORALLY CORRELATED LONGITUDINAL DATA</p> <p>18 - S. Bonellie, G.M. Raab PRODUCING CENTILE FOR BIRTH-WEIGHTS</p> <p>19 - A. Lopatzidis, P.J. Green CENTILE CURVES BY PENALIZED LIKELIHOOD</p> <p>20 - O. Keene CUMULATIVE DOSE RESPIRATORY STUDIES: WHAT IS THE BEST ANALYSIS AND WHAT CAN BE CONCLUDED?</p>

THE INTERNATIONAL SOCIETY FOR CLINICAL BIOSTATISTICS

The International Society for Clinical Biostatistics (ISCB) was founded in 1978 to stimulate research into the principles and methodology used in the design and analysis of clinical research and to increase the relevance of statistical theory to the real world of clinical medicine.

The ISCB organises an annual scientific meeting which members and non-members are able to attend. The main objective of the annual scientific meetings is to create an opportunity for the exchange of knowledge, experience and ideas among clinicians, statisticians and members of other disciplines, such as epidemiologists, clinical chemists and clinical pharmacologists, working or interested in, the field of clinical biostatistics.

The scientific meetings cover a broad spectrum of biostatistical interests and regularly include sessions on the design and analysis of clinical trials, epidemiology and statistical methodology, as well as from time to time considering more specialist issues such as, for example, education of biometricians and biometrics users, pharmacokinetics, medical data-bases and pharmacoepidemiology. Each meeting includes a mini-symposium devoted to a particular medical or statistical field. Recent examples have been Organ Transplantation, Regulatory Affairs in Europe and North America, Quality of Life, and Statistics in Medical Journals.

Previous meetings in recent years have been held in Cardiff (1986), Gothenburg (1987), Innsbruck (1988), Maastricht (1989), Nimes (1990), Brussels (1991), Copenhagen (1992). The 1993 meeting was held in Cambridge and Basel played host in 1994. Future meetings will be held in Barcelona, Budapest and Boston.

The proceedings of these scientific meetings are published in *Statistics in Medicine*. The ISCB benefits from a special journal concession from John Wiley & Sons Limited, the publishers of *Statistics in Medicine*, so that members are able to subscribe to the journal at a preferential rate of £127.

The ISCB also organises courses to cover particular statistical topics. These are run to precede or follow on from the annual scientific meeting and are given by the foremost researchers in the field. Recent courses have included Non Parametric Methods in Medical Research, Decision Analysis in Early Phase Drug Trials, Analysis of Longitudinal Data, Martingales in Survival Analysis, Issues in the Design of Clinical Trials, Sample Size Calculations in Clinical Trials, Overdispersion, Repeated Measures and Longitudinal Data, Analysis of Ordered Categorical Data, and Cross-over Trials in Clinical Research.

The annual general meeting of the ISCB is organised to coincide with the scientific meeting. Membership of the Society is drawn from over 30 countries worldwide and the number of members is over 700.

The current composition of the executive committee is as follows: President, Dr Marc Buyse (Belgium), Vice-President, Dr Karsten Schmidt (Denmark), Treasurer, Dr Bernhard Huitfeldt (Sweden), Honorary Secretary, Dr Stephen Senn (UK), Past President, Dr Jørgen Seldrup (UK), Newsletter Editor, Dr David Warne (Switzerland), and Members: Simon Day (UK), Dr Nancy Geller (USA), Professor Irene Guggenmoos-Holzmann (Germany), Dr Bela Hajtman (Hungary), Professor Johannes van Houwelingen (Netherlands), Dr Anthony Johnson (UK), and Dr Maria Valsecchi (Italy).

The ISCB also has special working groups dealing with particular aspects of biostatistics. A particular focus in recent years has been statistics in drug regulatory affairs. The chairman of the ISCB working party on Statistics in European Drug Regulation (SEDREG) is Professor Wolfgang Köpcke, University of Münster, Germany. The other members of the SEDREG Executive Team are Drs Karsten Schmidt (Denmark) and Bernhard Huitfeldt (Sweden), and Professor David Jones (UK).

The Society publishes a newsletter twice a year. The current editor is Dr David Warne, Chemin Frank-Thomas 32, CH-1208 Genève, Switzerland. Items for inclusion in the Newsletter should be sent to him (if possible on a 3.5" disk, Word6 format or text, or email on 100557.2260@compuserve.com).

Membership of the Society is open to all with an interest in biostatistics. The current annual (to 31 December 1995) Ordinary membership fee is £15. The Full-time Student Membership fee is £7.50. Members can also choose to receive *Statistics in Medicine* at a reduced cost (see above), and benefit from the reduced conference fee, at least £15 less than for non-members.

Applications for membership should be addressed to:

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ISCB 16 Barcelona 1995: Programme

TUESDAY, AUGUST 1: 15.40 - 16.10 Coffee.

16.10 - 17.50 Contributed Papers Sessions CP5 CP6 CP7 CP8

CP5: Statistical Methods for the analysis of Quality-of-Life data (2)

Chairman: Peter Fayers

- 21 - H. Tuchler, S. Hofmann, M. Bernhart, R. Heinz, E. Schlogl, D. Lutz, V. Scrhanz.
A QUALITY OF LIFE QUESTIONNAIRE IN EIGHT LANGUAGES ILLUSTRATING SPECIFIC METHODOLOGICAL ASPECTS IN THE DEVELOPMENT OF A MULTILINGUAL INSTRUMENT
- 22 - S. Wechsler, D. Ballas, R.H.A. Cardoso
BAYESIAN OPTIMIZATION OF QUALITY OF LIFE
- 23 - C.H. Yeh
VERIFYING THE CONSISTENCE BETWEEN QUALITY OF LIFE SCORES AND SYMPTOM SEVERITIES USING A CONCORDANCE CORRELATION COEFFICIENT FOR INFLAMMATORY BOWEL DISEASE
- 24 - R.J. Stephens, P. Hopwood
REPLACING THE MEAN IN QUALITY OF LIFE SUBSCALES
- 25 - H. Beacon, S.G. Thompson
INVESTIGATING THE STRUCTURE AND IMPLICATIONS OF MISSING DATA IN LONGITUDINAL QUALITY OF LIFE DATA

CP7: Bayesian methods in Clinical Research (2)

Chairman: Stephen Senn

- 31 - I. Albert, J.P. Jais.
GIBBS SAMPLER FOR LOGISTIC MODEL TO ANALYSE LONGITUDINAL BINARY DATA
- 32 - T.C. Smith, K.R. Abrams, D.R. Jones.
HIERARCHICAL BAYESIAN APPROACHES TO THE SYNTHESIS OF EVIDENCE. THE CASE OF BREAST CANCER SCREENING.
- 33 - J. Higgins, A. Whitehead.
BORROWING STRENGTH FROM EXTERNAL TRIALS IN A META-ANALYSIS
- 34 - L. Makris
PREDICTIVE CASUALTY FOR ADVERSE DRUG REACTIONS.

CP6: Survival Analysis

Chairman: David Collett

- 26 - P. Verweij, J.C. Van Houwelingen.
A GOODNESS-OF-FIT TEST FOR THE COX MODEL
- 27 - C. Schmoor, M. Schumacher.
MISSPECIFICATION OF COVARIATES IN THE COX MODEL
- 28 - S. Stenning, L.J. Gibson, V. Mosseri, M.K.B. Parmar
COVARIATE ADJUSTMENT OF TREATMENT EFFECT IN RANDOMISED TRIALS: IS IT WISE?
- 29 - V. Sesagroatt.
MORTALITY AFTER TRANSURETHRAL AND OPEN PROSTATECTOMY: A CASE OF NON-PROPORTIONAL HAZARDS?
- 30 - M. Stark, K. Ulm, S. Wagenpfeil.
TIME VARYING EFFECTS IN SURVIVAL ANALYSIS: CHANGE IN THE IMPACT OF PROGNOSTIC FACTORS IN STOMACH CANCER DURING OBSERVATION TIME.

CP8: Statistical application in HIV trials (1)

Chairman: Claus Bay

- 35 - E.Le Corfec, F. Boue, J.F. Delfraissy, D. Costagliola
MODELING MARKERS OF HIV INFECTION: EFFECT OF ZIDOVUDINE TREATMENT
- 36 - I. White, A. Babiker, S. Walker, S. Pocock, J. Daarbyshire
WHEN SHOULD ZIDOVUDINE TREATMENT BE STARTED IN HIV INFECTION? ANALYSES OF THE CONCORDE TRIAL USING ONLY COMPARISONS OF RANDOMISED GROUPS
- 37 - J.C.M. Hendriks, J.A.M. Van Druten, G.J.P. Van Griensven
IMMUNOLOGICAL MARKERS AND PROGRESSION OF HIV INFECTION AMONG HOMOSEXUAL MEN USING TIME-CONTINUOUS MARKOV MODELS
- 38 - S. Mariotti, R. Cascioli, R. Rocci
COMPARISON OF HIV INFECTION RATES IN ITALY ESTIMATED BY THREE DIFFERENT BACKCALCULATION METHODS
- 39 - W.F. Lewis
GENDER AND AGE TRENDS IN HIV PREVALENCE AND INCIDENCE

WEDNESDAY, AUGUST 2

09.00 - 10.30 Plenary Session 3

Statistical Methods for the analysis of quality of life data

DEVELOPMENT, VALIDATION AND USAGE OF A QUALITY OF LIFE INSTRUMENT

Peter Fayers (MRC, Cambridge, UK)

ANALYSIS OF QUALITY OF LIFE DATA: IS THERE A NEED FOR A NEW METHODOLOGY?

Manfred Olschewski (IMBI, Freiburg, Germany)

THE APPLICATION OF MULTI-LEVEL MODELS TO THE ANALYSIS OF REPEATED ASSESSMENTS OF QUALITY OF LIFE

Simon Thompson (London School of Hygiene and Tropical Medicine, UK)

11.00 - 12.30 Contributed Papers Session CP9 CP10 CP11 CP12

CP9: Statistical refereing of Medical Journals

Chairman: Stuart Pocock

- Invited conference :

Theodore Colton

STATISTICAL REFEREEING OF MEDICAL JOURNALS

40 - D.G. Altman, S.N. Goodman, S.L. George

USE OF STATISTICAL REVIEWERS BY MEDICAL JOURNALS

41 - P.J. Kelly

THE STATISTICAL REFEREEING OF BIASED STUDIES IN MEDICINE: ACCEPT, REVISE OR REJECT?

42 - C. Palmer, T. Johnson

STATISTICAL REVIEW-LESSONS FROM THE LANCET

CP11: Statistical Modelling (2)

Chairman: David Machin

47 - W. Voorn.

MAXIMUM LIKELIHOOD ESTIMATION PROBLEMS WITH TRANSFORMED OBSERVATIONS

48 - R. Van Strik, P. Van Eekelen

EFFECTS OF DESVIATIONS FROM GRUBBS' MODEL ON PERFORMANCE OF ESTIMATES OF BIAS AND PRECISION WHEN COMPARING TWO MEASURING METHODS USING SINGLE

MEASUREMENTS

49 - M. Mittlboeck, M. Schemper.

EXPLAINED VARIATION FOR LOGISTIC REGRESSION

50 - R. Elton.

MIXED MODELLING FOR BINARY OUTCOMES IN CLINICAL AUDIT

CP10: Computer Intensive Methods

Chairman: Martin Schumacher

43 - A. Lawson.

THE ANALYSIS OF PUTATIVE SOURCES OF HAZARD IN CLUSTERED SMALL AREA DATA VIA MCMC METHODS

44 - I. Janosi, F. Paulin.

SOME NOTES ON THE APPLICATION OF GIBBS SAMPLING IN BIOSTATISTICAL PRACTICE

45 - M. Abrahamowicz, A. Ciampi.

ABSOLUTE RISKS ESTIMATION IN THE PROPORTIONAL HAZARDS MODEL

46 - B. Palaszewski

A STEPWISE TEST PROCEDURE FOR REGRESSION MODELS BASED ON BOOTSTRAP CONFIDENCE INTERVALS

CP12: Statistical application in HIV trials (2)

Chairman: Michael Hughes

51 - C. Chouquet, S. Richardson, M. Burgard, S. Blanche,

C.Rouzioux, D. Costagliola

BAYESIAN ESTIMATION OF THE TIMING OF MOTHER-TO-CHILD HIV-1 TRANSMISSION

52 - A. Ross, G.M. Raad

THE EFFECTS OF MATERIAL HIV INFECTION AND DRUG USE IN PREGNANCY ON GROWTH IN THE FIRST 3 YEARS: A MULTILEVEL APPROACH

53 - A. Mocroft, A. Phillips, C.Sabin, G. Janossy, C. Lee, M. Johnson

A PROPOSED STAGING SYSTEM FOR CLINICAL AIDS PATIENTS

54 - S. Yang, G. Raab

BAYESIAN METHODS FOR HIV PREDICTION

THURSDAY, AUGUST 3

09.00 - 10.30 Plenary Session 4 Latent Variable models in biomedical res.

USING THE LATENT VARIABLE APPROACH IN DEVELOPMENTAL GENETIC EPIDEMIOLOGY

Andrew Pickles (Institute of Psychiatry, London, UK)

THE USE OF LATENT VARIABLES FOR ANALYSIS OF MULTIPLE OUTCOMES IN STUDIES OF BIRTH DEFECTS

Lousie Ryan (Harvard School of Public, Boston, USA)

MULTI-SAMPLE ANALYSIS OF MEASUREMENT ERROR MODELS: ISSUES ON ASYMPTOTIC ROBUSTNESS

Albert Satorra (Univ. Pompeu Fabra, Barcelona, Spain)

11.00 - 12.30 Plenary Session 5 Bayesian methods in Clinical research

PROBABLISTIC DIAGNOSIS

Jose-M. Bernardo (Univ. Valencia, Spain)

APPLICATIONS OF BAYESIAN METHODS IN DRUG DEVELOPMENT

Amy Racine Poon (Ciba-Geigy, Basle, Switzerland)

BAYESIAN PROCEDURES FOR ASSERTING INDIVIDUAL BIOEQUIVALENCE

B. Lecoutre (C.N.R.S. and Univ. Rouen, France)

14.00 - 15.40 Contributed Papers Sessions CP13 CP14 CP15 CP16

CP13: Analysis of repeated measurements (2) Chairman: David Hand

55 - G.R. Oskrochi A GENERALIZED WEIBULL MODEL FOR CENSORED REPEATED MEASUREMENTS

56 - E.Svensson, U. Sonn STATISTICAL ANALYSIS OF ORDERED CATEGORICAL DATA IN LONGITUDINAL STUDIES

57 - J.K. Lindsey, B. Jones, A. F. Ebbutt SIMPLE MODELS FOR ORDINAL LONGITUDINAL DATA COLLECTED IN CLINICAL TRIALS

58 - M. Olson, N. Laird TESTING FOR TREATMENT EFFECT IN LONGITUDINAL TRIALS WITH MISSIND DATA AND SMALL SAMPLES

59 - N. Taright, F. Mentre, A. Mallet INTERPERIOD VARIABILITY OF PARAMETERS IN RANDOM-EFFECT MODELS

CP15: Bayesian Methods in Clinical research (3) Chairman: B. Lecoutre

65 - D.F. Heitjan STATISTICAL CONSIDERATIONS IN INTENTION-TO-TREAT

66 - L. Gras, G. Doombos, S. Heisterkamp AN EMPIRICAL BAYESIAN METHOD FOR ESTIMATING RISK PARAMETERS IN SMALL POPULATIONS

67 - S. Senn STATISTICAL ISSUES IN PROJECT PRIORITISATION IN THE PHARMACEUTICAL INDUSTRY

68 - D. Faraggi, A Kramar, R. Simon EVALUATING THE IMPORTANCE OF TUMOR MARKERS USING A BAYESIAN NEURAL NETWORK FOR CENSORED SURVIVAL DATA

69 - G.J. Manas CALCULATING THE PROBABILITY OF PATERNY IN GENETIC TESTING

CP14: Statistical Modelling (3) Chairman: Michael Campbell

60 - A. Bedding, E.R.Forster, M.D. Gunput SPECIAL ANALYSIS OF GASTRIC MOTILITY DATA FROM A PHASE I CLINICAL TRIAL MEASURING GASTRIC EMPTYING

61 - F.D.J. Dustan, C.H. Stokes, R.W. Marshall TIME SERIES ANALYSIS OF EYE MOVEMENT DATA

62 - J. Vuorinen, J. Turunen A TWO-STEP PROCEDURE FOR ASSESSING BIOEQUIVALENCE: AN APPLICATION OF REMIL ESTIMATION

63 - I.J. Lauder CONSERVATION ANALYSIS OF REPEATED GENOMIC NUCLEOTIDE AND AMINOACID SEQUENCE DATA WITH APPLICATION TO THE HEPATITIS VIRUS AND THE HUMAN IMMUNODEFICIENCY VIRUS TYPE I (HIV I)

64 - S. Day ADJUSTING SAMPLE SIZE TO ACCOUNT FOR SPHERICITY

CP16: Dose-response and Phase I trials Chairman: Sylvain Durrleman

- Invited conference:
John O'Quigley
NEW APPROACHES IN PHASE I DOSE FINDING STUDIES

70 - M. Budde DOSE-RESPONSE EMBEDDED IN ADAPTIVE TRIAL DESIGNS

71 - R. Jonsson CONSEQUENCES OF BETWEEN-SUBJECT VARIATION ON ESTIMATED RESPONSE CURVE CHARACTERISTICS

72 - P. Tubert-Bitter, D.A. Bloch, A. Kramar A BIVARIATE REPRESENTATION OF THE JOINT TOXICITY AND EFFICACY DOSE-RESPONSE IN CANCER CLINICAL TRIALS

73 - C. Rasmussen, M. Forrest USE OF STRONG RESPONSES AND COVARIATES

THURSDAY, AUGUST 3

16.10 - 17.50 Contributed Papers Sessions CP17 CP18 CP19 CP20

CP17: Analysis of repeated measurements (3)

Chairman: James Lindsey

- 74 - S.J. Sharp, s.J. Pocock
RELATION OF SERUM CHOLESTEROL TO CANCER MORTALITY
- 75 - D. Gregory, A. Dilenarda, L. Diconsiglio, L. Salvatore
SEMIPARAMETRIC MODELLING FOR ASSESSING THERAPY EFFICACY
IN CLINICAL OBSERVATIONAL STUDIES: AN APPLICATION TO
DILATED CARDIOMYOPATHY
- 76 - R. Meinert
MULTIPLE EXPOSURE MEASUREMENTS AND INTERACTIONS
- 77 - S.A. Bashir, S.W. Duffy
THE CORRECTION OF RISK ESTIMATES FOR MEASUREMENT ERROR
USING REPEATED MEASUREMENT DATA IN CHRONIC DISEASE
EPIDEMIOLOGY
- 78 - A.H. Zwinderman, J.W. Jukema, A.J. Van Boven, J.H.
Reiber, A.V. Brusckke
ON THE STATISTICAL MODELLING OF CORONARY ANGIOGRAPHY
DATA: RESULTS FROM THE REGRESSION GROWTH EVALUATION
STATIN STUDY (REGRESS)

CP19: Latent variable models in biomedical research

Chairman: Andrew Pickles

- 84 - G. Lancaster, M. Green
A NEW LATENT VARIABLE TECHNIQUE FOR DERIVING A
DEPRIVATION INDEX AND ITS RELATIONSHIP TO ILL-HEALTH
- 85 - I. Guggenmoos-Holzmann
WHAT IS LATENT IN OBSERVER AGREEMENT?
- 86 - M. Schulzer PRINCIPAL COMPONENT ANALYSIS I N GLAUCOMA
- 87 - G. Morel, N.K. Neerchal
CLUSTER BINARY LOGISTIC REGRESSION IN TERATOLOGY DATA
USING A FINITE MIXTURE DISTRIBUTION
- 88 - M.A. Hernan, C.M. Hortelano, J.M. Hernandez, R. Vara,
S. Hernandez de M., J.J. Garcia
MULTIVARIATE CRITERIA FOR CLASSIFICATION OF
BETALACTAMASES

CP18: Statistical Modelling (4)

Chairman: Ruth Pickering

- 79 - U. Mansmann
THE USE OF SEMIPARAMETRIC MODELS FOR THE ESTIMATION AND
COMPARISON OF THE DIAGNOSTIC POTENTIAL OF TWO
DIAGNOSTIC TESTS IN A MULTIPLE STEP DIAGNOSTIC
PROCEDURE
- 80 - C.T. Roberts
A MATRIX OF KAPPA-TYPE MEASURES OF RELIABILITY FOR
NOMINAL SCALES
- 81 - S.M. Debanne., R. A. Bielefeld, G.M. Cauthen, T.M.
Daniel, D.Y. Rowland MODELING TUBERCULOSIS IN THE UNITED STATES
- 82 - H. Mahjub, T.F. Cox
SREENING FOR A MIXTURE DISTRIBUTION
- 83 - H. Schafer, K. Jensen, H.H. Muller
EFFICIENT SIMULTANEOUS CONFIDENCE BANDS FOR ROC CURVES

CP20: Meta-analysis

Chairman: Theodore Colton

- 89 - S.D. Walter
ASSESSING THE RELATIONSHIP BETWEEN EFFECT SIZE AND
BASELINE RISK IN THE CONTEXT OF META-ANALYSIS
- 90 - S. Lewis META-ANALYSIS OF CASE-CONTROL STUDIES . UNRAVELLING
THE
HETEROGENEITY
- 91 - C. Frost, R. Clarke
DIETARY DETERMINANTS OF SERUM CHOLESTEROL LEVELS: A
META ANALYSIS OF THE METABOLIC WARD STUDIES USING
MULTILEVEL MODELS
- 92 - F. Boutitie, F. Gueyffier, S.J. Pocock, J.P. Boissel
ANALYSIS OF CHANGE OF THE TREATMENT EFFECT OVER TIME
IN THE FRAMEWORK OF A META ANALYSIS

ISCB 16 Barcelona 1995: Programme

LIST FOR POSTERS EXHIBITION

- | | | | |
|---|--|---|--|
| <p>1.- A. Cobos, J.J. Francesch
COMBINING A TEST FOR DIFFERENCE AND A TEST FOR EQUIVALENCE</p> <p>2.- E. Keltly, J. Ringstrom
THE FEASIBILITY OF A 5-WAY CROSS-OVER DESIGN IN A CLINICAL TRIAL ON HYPERTENSION</p> <p>3.- L. Cano, M. Robert, R. Esbri, O. Vargas, C. Ortuno
A CASE ILLUSTRATION OF THE CALCULATION OF SAMPLE SIZE IN A SEASONAL TRIAL</p> <p>4.- E. Cobo
COMPLIANCE AS A MODIFIER OF EFFECT OR AS A CONFOUNDER</p> <p>5.- P. Glasziou, L. Irwing
WHO DO THE RESULTS OF CLINICAL TRIALS APPLY TO?</p> <p>6.- P.T. Seed
MULTI-LEVEL MODELS FOR THE ANALYSIS OF CLINICAL TRIALS. EXPERIENCE FROM THE MULTICENTRE ANTI-ATHEROMA (MAAS) STUDY</p> <p>7.- R. Esbri, J. Gras, L. Cano
ANALYSIS OF A FACTORIAL DESIGN: ASSESSMENT OF TWO ANOVA APPROACHES</p> <p>8.- B.M. Melia
THE IMPACT OF TREATMENT CROSSOVER IN ONE DIRECTION ON STATISTICAL ANALYSIS OF CLINICAL TRIALS: A SIMULATION STUDY</p> <p>9.- A. Tobias, E. Cobo, R. Lopez
POWER OF TWO ADVERSE EVENTS REPORTING METHODOLOGIES</p> <p>10.- C. Arnau, J. Aznar-Salatti, J.Garcia-Barbal, Emhe Group
SELF-ADJUSTING TELEPHONE ALLOCATION OF PATIENTS IN A CLINICAL TRIAL</p> <p>11.- F. Ezzet
STATISTICAL METHODOLOGY AND PHASE I CLINICAL TRIALS</p> <p>12.- H. Collie, K. Liersch
THE PRESENTATION OF LABORATORY DATA FROM PHASE I CLINICAL STUDIES</p> <p>13.- J.C. Bruce, A.V. Swan
THE ANALYSIS OF CENSORED ASSAY DATA</p> <p>14.- A.Phillips
THE DESIGN AND ANALYSIS OF DOSE RESPONSE STUDIES WITHIN THE PHARMACEUTICAL INDUSTRY</p> <p>15.- C. Rasmussen, M. Forrest
CONSIDERATIONS ON THE ROBUSTNESS OF THE CONTINUAL REASSESSMENT METHOD</p> <p>16.- J.M. Sol, R. Insa, G. Hernandez
TIMING TO DATA ENTRY IN COMPUTERIZED CASE REPORT FORMS</p> <p>17.- J.A. Salas Mesa
INTERFACING DATABASE WITH INPUT AND OUTPUT OF THE BIO MEDICAL DATA PACKAGE (BMDP)</p> <p>18.- P. Kokol, J. Završnik, K. Kancler, I. Malcic
USING MODERN STATISTICAL COMPUTER TOOLS IN ANALYSIS OF MITRAL VALVE PROLAPS</p> | <p>19.- A. Mcconnachie
EXERCISE TESTING IN CLINICAL TRIALS OF ANGINA THERAPIES</p> <p>20.- P. Garcia de Olalla, J. A. Cayla, H. Galdos, J.M. Jansa, P.S.C. Miranda
PREDICTORS OF SURVIVAL IN HIV INFECTED EXTRAPULMONARY TUBERCULOSIS PATIENTS</p> <p>21.- C. Sabin, A. Phillips
THE VARIABILITY IN REPEATED LABORATORY MEASUREMENTS AND ITS EFFECT ON THEIR VALUE AS SURROGATE ENDPOINTS IN CLINICAL TRIALS</p> <p>22.- H. Heinzl
ASSESSING INTERACTIONS OF BINARY TIME DEPENDENT COVARIATES WITH TIME IN COX PROPORTIONAL HAZARDS REGRESSION MODEL USING CUBIC SPLINE FUNCTIONS</p> <p>23.- B. Van Der Holt, W. L.J. Van Putten
SURVIVAL ANALYSIS WITH COMPETING RISKS</p> <p>24.- Withdrawn</p> <p>25.- A. Benner
GRAPHICAL ANALYSIS OF SURVIVAL DATA</p> <p>26.- J. Singer
LIFE-TABLES APPLIED ON SHORT TIME-INTERVALS</p> <p>27.- J. Warwick, J.A. Dunn, S. Kehoe, H. Earl, K.K. Chan, D. Luesley, C. Redman
LONG TERM FOLLOW-UP OF 362 PATIENTS RECRUITED OVER THE 10 YEAR PERIOD (1981-1991) INTO WEST MIDLANDS OVARIAN CANCER STUDIES</p> <p>28.- V.G.S. Vasdekis, I.G. Vlachonikolis
MODELLING OF MULTIVARIATE REPEATED MEASUREMENTS</p> <p>29.- N. Akhtar-Danesh, P.J. Kelly
ARE ANTE-DEPENDENCE MODELS SUITABLE FOR ANALYSING SERIAL VISUAL ANALOGUE PAIN SCORES?</p> <p>30.- A. Tobias, M. Gaez, J. Castellsague, J. Cunyer, J.M. Anto
POISSON AUTOREGRESSIVE ESTIMATION OF SHORT TERM EFFECTS OF AIR POLLUTION ON MORTALITY INDICATORS</p> <p>31.- E. Cobo, X. Luria
APPLYING SUMMARY MEASURES TO COMPENSATE PATIENT LOSSES. AN EXAMPLE.</p> <p>32.- D.T. Kristoffersen, K.J. Berg, J. Nossen
REPEATED MEASUREMENTS OF RENAL FUNCTION PARAMETERS AND ESTABLISHMENT OF REFERENCE RANGES</p> <p>33.- C. Leledy, C. Gerlinger
ANALYSIS OF A CLINICAL TRIAL WITH AN ORDINAL RESPONSE VARIABLE USING A ROW EFFECTS MODEL</p> <p>34.- U. Thien
ALTERNATIVES FOR ANALYSING PARTIALLY CORRELATED MEASUREMENTS</p> <p>35.- T. Morikawa, T. Yanagawa
EQUIVALENCE TESTS FOR PAIR-MATCHED BINARY DATA</p> | <p>36.- D. Ballas, R.H.A. Cardoso, S. Wechsler
MEASURING QUALITY OF LIFE OVER TIME</p> <p>37.- C.Fayol, P. Marquis
THE USE OF HEALTH STATUS AND QUALITY OF LIFE MEASURES IN CLINICAL TRIALS: VALIDATION STUDIES AND METHODS OF ANALYSES OF RESULTS</p> <p>38.- C. Klersy, L. Collarini, C. Morellini, C. Tinelli, M. Curty, F. Cellino
CARDIAC SURGERY AND QUALITY OF LIFE: A MULTIPLE ENDPOINTS TRIAL, DESIGN AND PRELIMINARY RESULTS</p> <p>39.- S.A. Julious, S. George
SAMPLE SIZE ESTIMATES FOR QUALITY OF LIFE DATA</p> <p>40.- P. Popwood, R.J. Stephens
ANALYSIS OF QUALITY OF LIFE DATA: IS GENDER IMPORTANT?</p> <p>41.- L.J. Billingham, J. Cook, C.M. Woodroffe, M.H. Cullen
MAKING SENSE OF PROBLEMATICAL QUALITY OF LIFE DATA-RESULTS FROM A CANCER RESEARCH CAMPAIGN PHASE III LUNG CANCER TRIAL</p> <p>42.- J.L. Segu
STATISTICAL PEER REVIEW IN MEDICINA CLINICA</p> <p>43.- J.I. Pijoan, E. Soto, J.M. Moran
METHOD COMPARISON STUDIES : REFEREES ALSO INVOLVED IN CONFUSION</p> <p>44.- A. Cobos, J.J. Francesch, J. Roca
ESTIMATING RELIABILITIES BY MEANS OF STRUCTURAL EQUATION MODELS WITH LATENT VARIABLES</p> <p>45.- G. Langstrom
SIMULATION STUDY OF ITEM SELECTION PROCEDURES FOR QUALITY OF LIFE QUESTIONNAIRE CONSTRUCTION</p> <p>46.- F. Zhang
THE AGE-SPECIFIC TRENDS OF THE PREVALENCE OF VIRAL HEPATITIS IN SHENZHEN</p> <p>47.- I.M. Stratton
SCREENING RULES FOR INTERVENTION STUDIES IN "AT-RISK" SUBJECTS</p> <p>48.- C.L. Choch, L.M. Irwing, G. Berry, P. Glasziou
ANALYTIC METHODS FOR COMPARING THE ACCURACY OF DICHOTOMOUS SCREENING TESTS</p> <p>49.- W. Kupsc, D. Szczesniowska
APPLICATION OF STANDARD MULTIVARIATE STATISTICAL PROCEDURES TO SPATIAL MORTALITY DATA</p> <p>50.- A. Vail, J.G. Thornton, R.J. Lilford
ENCOURAGING ADMISSION OF UNCERTAINTY: EXPERIENCES WITH THE GROWTH RESTRICTION INTERVENTION TRIAL (GRIT)</p> <p>51.- B.A. Murray, A.W. Bowman, G. McIlwaine, J. Kingdom
USING BONFERRONI BOUNDS IN THE DETERMINATION OF FACTORS RELATED TO THE INCIDENCE OF LOW BIRTHWEIGHT IN GLASGOW</p> <p>52.- J.A. Dunn, M.T. Hallissey
DESIGNING AN IMPOSSIBLE STUDY</p> | <p>53.- A. Poch Font, M.T. Brugal, J. Cayla
TIPOLOGY OF DRUG ADDICTS IN THE CITY OF BARCELONA MONITORED IN DRUG TREATMENT CENTERS BASED ON CORRESPONDANCE ANALYSIS</p> <p>54.- A. Bartkowiak, W. Kupsc
FINDING ALTERNATIVE SUBSETS IN REGRESSION A STUDY OF POLISH MORTALITY 1989-91</p> <p>55.- S. Mandalia, E.J. Beck
CONFOUNDERS IN ROUTINELY COLLECTED DATA IS THE GLASS HALF FULL OR HALF EMPTY?</p> <p>56.- V. Moreno, M.L. Martin, F.X. Bosch, S. De Sanjose, F. Torres, N. Munoz
COMBINED ANALYSIS OF MATCHED AND UNMATCHED CASE-CONTROL STUDIES. COMPARISON OF RISK ESTIMATES FROM DIFFERENT STUDIES</p> <p>57.- S.H. Heisterkamp, H.E. De Melker, M.A.E. Conyn-V.S.
ESTIMATION OF IMMUNE STATUS FROM A CROSS-SECTIONAL SURVEY IN THE PRESENCE OF NON-RESPONSE</p> <p>58.- M. Guillem, S. Junca, J.M. Aragay, C. Murillo
MODELLING COUNTS IN A COMPLEX HEALTH SURVEY DESIGN</p> <p>59.- S. Junca, J. Lores, J.M. Aragay, L. Baranda, "Esca Team"
PEN COMPUTER ASSISTED PERSONAL INTERVIEWING AND CATALAN HEALTH</p> <p>60.- E. Albuissin, R. Alfieri, Y. Grall
STATISTICAL METHODS IN THE IDENTIFICATION OF TEMPORAL SIGNAL COMPONENTS</p> <p>61.- K. Boda, K. Toth
MULTIVARIATE ANALYSIS OF PEDOBAROGRAPHIC DATA OF RHEMATOID ARTHRITIS PATIENTS</p> <p>62.- N. Oudoukhani
OPTIMAL SMOOTHERS FOR STOCHASTIC NEURONAL SYSTEMS</p> <p>63.- P.V. Bertrand
THE CIRCUMSTANCES WHERE CORTISOL TO CREATININE RATIO IS A BETTER AID TO MEDICAL DIAGNOSIS THAN IS URINARY CORTISOL</p> <p>64.- P. Vargha, E. Lanyi
DETERMINATION OF BONE MINERAL DENSITY STANDARDS BY USING CURVE FITTING PROCEDURES</p> <p>65.- M. Rios, J.M. Corcuera
A METHOD DIVIDED TO COMPARE VARIOUS METHODS FOR RAPID GLUCOSE ESTIMATION</p> <p>66.- C.M. Cuadras
DISTANCE-BASED COMPARISON OF NON-LINEAR REGRESSION CURVES</p> <p>67.- A.C. Camproux, F. Saunier, G. Chouvet, J.C. Thalabard, G. Thomas
A TWO-STATE MARKOV MODEL FOR THE DISCHARGE PATTERN OF LOCUS COERULEUS NEURONS IN RATS</p> <p>68.- J.E. Kelsall
NONPARAMETRIC METHODS FOR INVESTIGATION OF SPATIAL VARIATION IN DISEASE RISK</p> <p>69.- M. Andersson, J. Ringstrom
THE DOSE-RESPONSE RELATIONSHIP IN A CLINICAL OVERVIEW</p> |
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ISCB-17 in Budapest, Hungary
Bela Hajtman

ISCB17 will be held in Budapest, commencing in August 25, Sunday with a Welcome Reception. The sections and the mini-symposium run from 26 to 29 August, and in August 30, Friday are the post-conference courses.

Scientific Programme Committee Chairman:

Michael Schemper (Vienna)

Local Organizing Committee:

Chairman: Béla Hajtman

Members: Artúr Hoffmann, István Jánosi, Péter Vargha, József Vitrai

On behalf of the Local Organizing Committee I invite you to visit Budapest for the occasion of ISCB17, the 1996 meeting of the International Society for Clinical Biostatistics.

It is a pride to have the honour of organizing an ISCB meeting here, in Hungary. The seventeenth meeting is the first one which is held in a so-called Eastern European country: all the preceding sixteen meetings were organized in countries now members of the European Union. Officers of ISCB and local organizers hope: the Budapest meeting will open the door towards the East. It is a fine opportunity for Eastern and Western specialists of the field to meet, to talk, to change ideas, and perhaps to establish a longer and deeper cooperation. ISCB has only a few members from the past Soviet Block; after ISCB17 this situation will probably change.

Budapest is the union of two medieval towns: Buda, with its fortifications, crowned by a royal castle, lies on the hills of the west bank of river Danube, and Pest, the old merchant town, is situated in the vast planes of the east bank. The unified city, with its two faces, gives a unique impression. It is, however, a lively modern capital as well, with over two million inhabitants. Its natural beauty, cultural heritage, historical buildings, and last but not least the hospitality of its people make a mixture fascinating for visitors.

The year 1996 is particular for Hungary: it happened one thousand and one hundred years ago that Hungarian tribes, with the last wave of the great migration, reached this land and settled. The "millecentenarium" is celebrated by several cultural and scientific events; ISCB17 is one of them.

I am looking forward your contribution to have a fine and successful meeting!

GENERAL INFORMATION :

In case of any inquiry or request, please contact the Meeting Secretariat:

Postal address:

ISCB17 Secretariat

P.O.Box 434

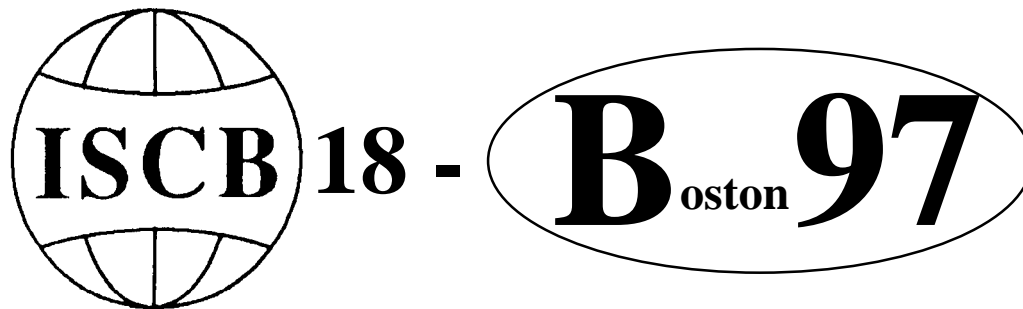
H-1367 Budapest 5

HUNGARY

Fax: +36 1 118 91 61

Direct contact to the Local Organizing Committee:

Dr. Béla Hajtman (Chairman) e-mail: hajbel@hogyes.sote.hu



ISCB-18 in Boston, USA

Nancy Geller

Plans for ISCB 18 in Boston, Massachusetts, U.S.A. are already underway. The meeting will take place from Sunday 6 July to Thursday 10 July 1997 at the Marriot Hotel at Copley Square in Boston. A short course will be held on the Sunday preceding the official meeting. Because this meeting will be held jointly with the Society for Clinical Trials (SCT), the two societies have already begun discussing their contributions to the programme. The joint programme committee chairs are Laurence Freedman representing ISCB and Barry Davis representing SCT. ISCB and SCT will each arrange part of the programme with coordination through the joint programme committee chairs. The format is expected to be similar to the last joint ISCB-SCT meeting, held in Brussels in 1991.

Members of the ISCB portion of the Programme Committee include Deborah Ashby (U.K.), Per Kraugh Anderson (Denmark), Martin Schumacher (Germany), Juni Palmgren (Sweden), Rudolf Kaaks (France), Nancy Geller (U.S.A.), Stephen Senn (UK), Simon Thompson (U.K.), Maria Valsecchi (Italy), and Els Goetghebeur (Belgium). Although now this meeting seems to be in the far distant future, topics of interest for plenary sessions and the traditional mini-symposium are being solicited. If you would like to suggest a topic, please contact any member of the Programme Committee or the chair, Laurence Freedman (National Cancer Institute, Biometry Branch, DCPC, 6130 Executive Boulevard, MSC 7354, EPN Room 344, Bethesda MD 20892-7354, USA; e-mail: l3f@cu.nih.gov; voice: +1-496-7748; fax: +1-301-402-0816).

Boston is the home of American independence, the first open act of defiance against British rule having occurred at the famous Boston Tea Party. The city is generally older and more European than most American cities, with some beautiful 18th century buildings. The Copley Square area of Boston is a lovely, modern area featuring many shops and restaurants. It is convenient to the many tourist attractions in Boston. Remember that Boston is famous for its excellent seafood. Aside from rooms at the Marriot, inexpensive dormitory rooms at Boston College will also be available.

We do hope for a big ISCB representation in Boston! We will be keeping you informed as more detailed plans emerge.

COME TO BOSTON FOR ISCB 18 6-10 JULY, 1997!

Eurostat Announcement

from Lutz Edler (Heidelberg, Germany)

Eurostat

TRAINING OF EUROPEAN STATISTICIANS

EUROSTAT has started a project called TRAINING OF EUROPEAN STATISTICIANS (TES) already in 1990 and is continuing that.

TES is open to public and private sector statisticians with a university degree (not necessarily in statistics) and who are citizens of the EU and the EFTA as well as Central or Eastern European Countries.

TES courses are held in English, French or German. Although the deadline for registrations was February 17, 1995, the programme is still open conditional there are vacant places to be filled.

There are still 21 courses between June 95 and February 1996 of various interesting statistical topics.

For more information please contact

Costanza Marinelli
External relations
TES PROJECT
2-6 route de Treves
Bloc B/6
L-2633 Senningerberg
Luxembourg
FAX: +35 2 34 68 73

ISCB News: News !

ISCB Changes of Address

Please inform the Vice-President who looks after money and also the membership and mailing list databases.

ISCB: The Future

Budapest 1996 and Boston 1997: please note announcements in this News.

1998+: Brisbane ?! The Editor has been on his travels again, this time Down Under in Australia and Malaysia, but failed to find a place starting with B. Seriously, if you have ideas about organising a future conference, the ExCom would be happy to receive them. Meetings in countries that have not hosted ISCB before would be particularly welcome.

ISCB Constitution

Tony Johnson has done a magnificent job revising the ISCB constitution. The final draft has been circulated for last comments to ExCom members. If there is no significant disagreement, it will be probably be circulated to all ISCB Members BEFORE Barcelona.

Society Accounts 1994

from Karsten Schmidt, 1995.03.06

INTERNATIONAL SOCIETY FOR CLINICAL BIOSTATISTICS Account for the Year 1994

	Danish Account		UK Account	Total
	DKK	£	£	£
<u>Income</u>				
Membership fees	61,573.78	6,474.50	4,432.50	10,907.00
Statistics in Medicine	112,318.56	11,810.33	12,000.00	23,810.33
Advertising			625.00	625.00
Earned interest	24,599.43	2,586.64	1,755.55	4,342.19
ISCB-14 revenue	<u>106,239.78</u>	<u>11,171.14</u>	—	<u>11,171.14</u>
	304,731.55	32,042.61	18,813.05	50,855.66
<u>Expenditure</u>				
Office supplies, photocopies	795.10	83.61		83.61
Postage, freight, fax	44,581.73	4,687.78	29.07	4,716.85
Bank charges	1,410.00	148.26	306.32	454.58
John Wiley			23,305.00	23,305.00
Travel expenses			544.20	544.20
SEDREG expenses	10,369.25	1,090.33	466.49	1,556.82
Printing	29,900.00	3,143.99		3,143.99
Donations			300.00	300.00
Subscriptions			141.81	141.81
Adjustment of foreign currency	604.53	63.57		63.57
Closing adj. of foreign currency			-1,545.87	-1,545.87
Administration	25,420.00	2,672.92		2,672.92
Temporary staff	<u>1,700.00</u>	<u>178.76</u>	—	<u>178.76</u>
	114,780.61	12,069.22	23547.02	35,616.24
Net profit	189,950.94	19,973.39	-4,733.97	15,239.42
<u>Assets</u>				
Current account, Barclays			462.38	462.38
High interest account, Barclays			38,939.43	38,939.43
Unibank, Denmark	<u>537,149.14</u>	<u>56,481.37</u>	—	<u>56,481.37</u>
	537,149.14	56,481.37	39,401.81	95,883.18
Debtors			385.00	385.00
Seed money, ISCB-15			5,000.00	5,000.00
Seed money, ISCB-16	<u>47,998.50</u>	<u>5,047.05</u>	—	<u>5,047.05</u>
	585,147.64	61,528.42	44,786.81	106,315.23
<u>Liabilities</u>				
Accrued expenses	71,700.76	7,539.35		7,539.35
Rebill account, members	<u>3,148.83</u>	<u>331.10</u>	<u>90.00</u>	<u>421.10</u>
	74,849.59	7,870.45	90.00	7,960.45
EQUITY CAPITAL	510,298.05	53,657.97	44,696.81	98,354.78

Rate of exchange December 30, 1994: DKK 9.5102 = £ 1.

Software Review

Mathcad 5.0

(Obtainable from MathSoft Inc. 101 Main Street, Cambridge, MA 02142, USA and various offices in Europe)

by Stephen Senn, London, England-UK

Of all the wonderful software I have installed on my computer this is my favourite and I have only just begun to explore its capabilities. I find it extremely difficult, however, to explain what it is exactly, as it is not like anything else I use.

First of all, it is a computational assistant which receives its instructions in ordinary everyday mathematics. Second, it uses simple but effective numerical routines for integrating, finding roots of systems of equations, handling matrices and so forth. Third, it incorporates a word processor so that you can write comments very easily in a form which both reads and looks good. Fourth it incorporates a simple (about the simplest I know) graphics package in which the default options seem to have been defined with mathematicians in mind rather than marketers. Fifth, but this is a capability I have scarcely investigated, it also includes a symbolic processor based on Waterloo Maple Software's "symbolic engine" (*Maple*).

I have used it for solving and checking solutions to a variety of problems and have found it extremely effective as a means of documenting mathematical investigations. Previously these would have been carried out using a mixture of pencil and paper scribbles and ugly looking computer code and then either been lost promptly or stored without adequate documentation. Now I go straight to Mathcad and start typing. I have found the notes thus produced extremely useful as handouts when teaching or as part of internal reports. The look of the resulting calculations is more or less at the opposite spectrum of a spreadsheet package. With a spreadsheet everything is hidden and what the cells do is anybody's guess. With Mathcad, logic is transparent.

Some problems I have used it for include: calculating the expected effects of regression to the mean, sample size calculations for equivalence as well as various mathematical calculations in connection with decision analysis for pharmaceutical portfolio management. In solving these problems the numerical integration and root finding capabilities have been extremely useful.

When using the program you divide your document into text and maths regions. There is a useful set of maths toolbars to help you enter and edit mathematical expressions including exponents, integrals, matrices and so forth. The text processor looks, feels and behaves very like Word. I found the program easy to install and I have it running under Windows. It comes with an on-line tutor and two examples of extracts from Mathcad "books". These are electronic documents explaining areas of application for mathematics and containing live equations which you can copy and paste (plagiarise, if you like) for your own calculations. There is already quite a library of books available and I can't wait for my next birthday.

I am not a computer buff so I leave you to find out all of those exciting technical requirements from the manufacturers if you are interested (8 MB RAM, I think, but don't quote me). I found the program to be excellent value. (It cost me about 320 CHF including postage. This was a special offer but has nothing to do with this review!).

Calendar

10-14 July 1995

Dublin, IRELAND

9th International Conference on Communicating Statistics
Info: J. Connolly, Dep't of Statistics, University College Dublin, Belfield, Dublin 4, IRELAND.
email: jconnoll@irlearn.ucd.ie

12-14 July 1995

Telford, UK

RSS95 Theme Conference on Communicating Statistics
Info: N. Davies, DMSOR, Nottingham Trent University, Burton Street, Nottingham NG1 4BU, ENGLAND-UK.
Fax: +44 602 484266, email: mat3davien@trent.ac.uk

31 July - 4 August 1995

Barcelona, SPAIN

ISCB 16
Info: Technical and Scientific Secretariat, Viajes Iberia Congressos, Diagonal 523, E-08029 Barcelona, SPAIN.
Tel: +34 3 419 5151, Fax: +34 3 405 1390, email: iscb16@clinic.ub.es

21-25 August 1995

Aarhus, DENMARK

21st European Meeting of Statisticians
Info: M. Sorenson, Dep't of Theoretical Statistics, Institute of Mathematics, University of Aarhus,
DK-8000 Aarhus C, DENMARK.
Tel: +861 3810051/3810965, Fax: +861 3810035

25-27 September 1995

Coolangatta, Queensland, AUSTRALIA

Australian Biometrics Conference
Info: K. Basford, Dep't of Agriculture, The University of Queensland, Brisbane, QLD 4072, AUSTRALIA.
Tel: +61 7 3652810, Fax: +61 7 3651177, email: k.e.basford@mailbox.uq.oz.au

1-5 July 1996

Amsterdam, NETHERLANDS

18th International Biometric Conference,
Info: Bureau PAOG Amsterdam, Tafelbergweg 25, NL-1105 BC Amsterdam, NETHERLANDS.
Tel: +31 20 5664801, Fax: +31 20 6963228, email: IBC@med.vu.nl

25-30 August 1996

Budapest, HUNGARY

ISCB17
Info: Dr. Béla Hajtman, ISCB17 Secretariat, P.O.Box 434, H-1367 Budapest 5, HUNGARY.
Fax: +36 1 118 91 61, email: hajbel@hogyes.sote.hu

6-10 July 1997

Boston, USA

ISCB18 (Joint meeting with Society for Clinical Trials)
Info: Laurence Freedman (National Cancer Institute, Biometry Branch, DCPC, 6130 Executive
Boulevard, MSC 7354, EPN Room 344, Bethesda MD 20892-7354, USA.
Tel: +1 496 7748, Fax: +1 301 402 0816, email: l3f@cu.nih.gov