

CLUBS

SKI



DERNIERE SORTIE

Nous organisons une dernière sortie ski de fond le samedi 15 mars. Nous terminerons cette journée par une fondue. Départ de Saint-Génis (place Jean Monnet) à 13h15, passage à Gex (en face de la poste) à 13h30. Rendez-vous à la Vattay à 14h00.

MONITEURS: Félicitations à Durand Philippe (LHC) et Pollet Lucien (ECP) qui ont passé avec succès le brevet de moniteur 1er degré.



SOFTBALL CLUB

Exhibition Game Sunday

Spring Training continues with an exhibition game this Sunday, March 16, at 14h00 against the Rowdies. The game will be at the Marine House (<http://Softball.cern.ch/Maps/MarineHouse.html>) near Versoix. Batting practice at 13h00. Please contact the coach if you need better directions.

Recruitment Time

Anyone interested in playing on this year's CERN Slow-Pitch Softball team should contact Steven Goldfarb at the coordinates below or just come out to any practice or game to give it a try. Beginners are always welcome.

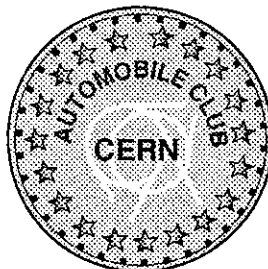
Club Coordinates

The CERN Softball Club plays Slow-Pitch Softball from March to September against other teams from the Geneva area. Contact us at:

- o E-Mail: softball.club@cern.ch
- o WWW: <http://softball.cern.ch>
- o Usenet: cern.softball
- o Phone: +41.22.767.6965

The CERN Softball Club is an Equal Opportunity Organisation. We accept infielders and outfielders alike.

"You can observe a lot by watching."
Yogi Berra



AUTOMOBILE CLUB

Nettoyage de printemps

Le printemps arrive à grands pas ainsi que les journées ensoleillées.

Le moment est donc venu pour effectuer le nettoyage de printemps de votre voiture et de la débarrasser de toutes les traces laissées par l'hiver.

Nous sommes donc heureux de vous annoncer que toutes les colonnes de nettoyage seront mises en service à partir du samedi 22 mars.

RAPPEL : Seuls les membres cotisants ont le droit d'utiliser les équipements mis à disposition par le Club.

N'oubliez pas de renouveler votre cotisation CHF 40.-, en passant nous voir au Club, ce qui nous fait toujours plaisir, ou lors de votre prochaine visite à la SBS/CERN.

Les bulletins de versement sont disponibles sur place.

Pour tout renseignement concernant nos activités, veuillez contacter le responsable :

Bât. 592



74007

de 16h 45 à 19h : du lundi au vendredi

de 8h à 12h : le samedi

Club of philosophy of science and technology

"Physics and Banking"

Presentations and Panel Discussion
18 March 1997 at 6 p.m.
CERN Main Auditorium.

Participants:

Prof. Bares (EPFL),
Dr. Pictet (Olson & Associates, Zurich),
Dr. Breymann (Univ. Basel)

Presentations:

Prof. Bares: "Risk Management and finance: career opportunities for physicists"

There are various reasons why physicists might be interested in economy and finance :

(i) Economic modeling has achieved a high degree of sophistication: people with a strong background in science are needed. The example of Risk Management will be discussed.

(ii) Financial markets are complex systems: the fluctuations of prices result from the non-linear response of market participants to the time evolving economic environment. Analogies to natural phenomena can be exploited for the quantitative modeling of such systems.

(iii) Difficult job market conditions in physics

Dr. Pictet: "High-frequency data: a key for research on financial market behavior and time series forecasting"

Since ten years, research at Olsen & Associates is based on a systematic study of high-frequency financial data. This approach allowed the discovery of many basic empirical facts like scaling laws, intraday seasonalities, long memory effects, fractal behaviours. It also demonstrated the possibility of prediction in financial markets. This is attributed to the presence in the market of heterogeneous agents whose behavior give rise to non-linear effects. Such a behaviour becomes apparent when financial asset returns are analyzed at different frequencies. This, in turn, is only possible with high-frequency data.

Dr. Breymann: "Financial markets and hydrodynamical turbulence"

Short-time dynamics of foreign exchange rates (US Dollar/ D Mark) have been shown to exhibit striking similarities with fully developed 3D hydrodynamic turbulence. An analogy has been proposed postulating the existence of hierarchical structures in FX markets (cascades) similar to the energy cascade in hydrodynamic turbulence. This hypothesis is corroborated by the following observations:

(i) the probability density functions of FX price changes Dx over a time delay Dt and of velocity differences Dv between points separated by a distance Dr strongly resemble each other;

(ii) the n -th moments of both the price changes and the velocity differences display a similar scaling as functions of Dt and Dr , respectively;

(iii) the probability density function of price changes varies its shape upon a change of Dt in the same typical way that is predicted by the classical picture of turbulence for the change of the probability density function of Dv when Dr is varied. A mechanism which may account for this similarity is presented.



CERN BRIDGE

Next tournament will be on **Wednesday 19 March, building 504**. Please inscribe yourself at 7.45 p.m.

Last week's tournament winners were:

North/South

Marcel Vanaerschot & Salah Sawaya	66.4%
Janine Baebler & Madeleine Psarofaghis	62.5%

East/West

George Lafferty & Mark Thomson	64.8%
Barbara Perkins & R. De Grazzia	61.8%

Please send to Alan Rudge ECP division
I shall be playing on Wednesday 19 March

Name..... Partner.....

PHOTO CLUB DU CERN - EXPOSITION

LES COIFFEURS ITALIENS

Gianna Bonacini

Le regard d'une femme sur les salons de coiffure masculins en Italie

CERN, bâtiment principal, 1er étage
du lundi 17 au jeudi 27 mars

avec la collaboration de Montpellier-Photo-Visions

"Ce reportage reflète mon voyage dans l'univers masculin où les images confondent la réalité avec la fantaisie."

C'est ainsi que l'auteur elle-même décrit sa collection sur le sujet insolite des salons de coiffure masculins en Italie, un métier qui disparaît et qu'elle a su fixer à travers la photographie. Née à Reggio Emilia, Gianna Bonacini a commencé la photographie en 1983. Elle s'est adonnée, en particulier, au reportage social et ethnologique, en cherchant à mettre en évidence les relations de l'être humain avec son intérieur, sa vie sociale et les objets qui lui appartiennent. Elle a collaboré avec des revues d'architecture et a effectué de nombreux travaux dans le territoire urbain génois. Ses photos et notes ont été publiées dans des revues et des livres spécialisés.

Le vernissage de cette exposition aura lieu le lundi 17 mars à 17 heures au premier étage du bâtiment principal, dans le couloir des expositions.

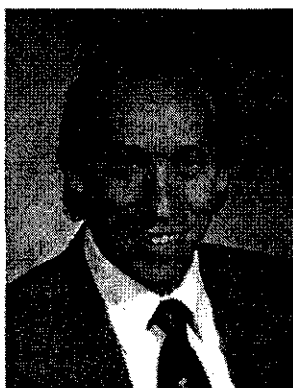


Evening Lectures Series

TUESDAY 25 MARCH, at 8.30 pm
Main Auditorium

THE PHYSICS OF STAR TREK

by Professor Lawrence KRAUSS
Case Western Reserve University



Professor KRAUSS is an internationally known theoretical physicist with wide research interests, including the interface between elementary particle physics and cosmology, where his studies include the early universe, the nature of dark matter, general relativity and neutrino astrophysics. He has investigated questions ranging from exploding stars to issues of the origin of all mass in the universe.

In 1993 he was named the Ambrose Swasey Professor of Physics, Professor of Astronomy, and Chairman of the Physics Department at Case Western Reserve University. He is the author of over 140 scientific publications, as well as numerous popular articles and books on physics and astronomy. He is the recipient of numerous awards and an acclaimed teacher and lecturer with vast experience in reaching out to popular audiences. He appears frequently on radio and television.

THE PHYSICS OF STAR TREK, his new book, which was released in November of 1995, has sold over 125,000 copies in the United States and is being translated into 12 languages. The U.K. version became a top-ten bestseller shortly after its release in May 1996.

Beginning with a Bang, Professor Lawrence Krauss will guide you on a warp speed journey through the Star Trek universe, which he uses as a launching pad to offer a glimpse of the fascinating world of modern physics. Through the use of slides, props and video clips, as well as wit and charm, the author of The Physics of Star Trek will deal with topics ranging from time travel to warp speed, from the Big Bang to the search for extra-terrestrial intelligence.

The lecture will also feature selections from his Top Ten Physics Bloopers from the series, gleaned in part from many of the most distinguished physicist-trekkers in the world.

For Trekkers and non-Trekkers alike, this charming and accessible lecture will add a whole new dimension to your view of the Star Trek universe, and your appreciation of the universe in which we actually live.

The lecture will be given in English with simultaneous interpretation in French.

Open to the public