You're looking at a versatile new laboratory tool: a miniature, low-cost ultracentrifuge capable of speeds to 100,000 rpm and forces to 160,000 g.

Called the Airfuge, this little ultracentrifuge is driven by ordinary laboratory air. The tiny rotor holds up to six 175-μl samples in individual plastic tubes, and accelerates to top speed in seconds. Sedimentation takes place rapidly in these small tubes—so the overall run times may be hours less than you'd expect. In fact, the Airfuge rotor has the highest efficiency rating of any rotor we make—large or small.

When you have small samples to separate by centrifugal force—lipoproteins, amino acid samples for deproteinizing, rapidly changing or short-lived subcellular components, or whatever—remember: there's an ultracentrifuge that's the right size for them—the Airfuge.

Send for NPI-134 to Beckman Instruments, Inc., Spinco Division, 1117 California Ave., Palo Alto, CA 94304.
The French Institute of Health and Medical Research (Institut National de la Santé et de la Recherche Médicale) is organizing a series of meetings on advanced research topics in various biomedical fields. The meetings which will be held annually as of November 1977, will be known as the INSERM CONFERENCES.

The aims of the conferences are:
— to foster the exchange of ideas, to evaluate new methods and new lines of investigation;
— to bring together scientists, mostly from European countries, working in universities and public or private research institutions. The meetings will be held under the direct responsibility of a chairman and a co-chairman who will be chosen each year with the agreement of the Conference participants.

The INSERM CONFERENCES will have the following special features:
— only highly topical subjects will be dealt with;
— if possible, the data presented should not have been the subject of any earlier complete publication, a condition which therefore excludes general reviews;
— the Conferences will not publish proceedings or any other material, even in a summarized form;
— the chairman of each INSERM Conference will invite 15 to 20 scientists to give a report in line with the above conditions.

The number of contributions will be limited to three or four per session and, at the discretion of the chairman, at least one third of the time will be given over to discussion and brief informal communications.

In addition to the invited speakers, at least twenty participants will attend the meeting, and efforts will be made to select young scientists. Experienced research workers from fields other than those relating to the Conference will also be welcome to attend. Participants will be chosen in such a way as to enable those engaged in all types of scientific research to establish personal contacts, exchange information and find new ways of working together.

PRACTICAL ARRANGEMENTS

The INSERM CONFERENCES will be held at the Domaine de Seillac, near Blois, during the month of November 1977 (full address: Domaine de Seillac, 41150 Seillac, France - 180 km from Paris). Each conference will last three and a half days, from Sunday evening (departure from Paris), to Thursday afternoon. Working sessions will be held from 9 a.m. to 12.30 p.m. and from 3.30 to 6 p.m. Free afternoons, participants will have a wide choice of leisure activities at the Domaine de Seillac and in the surrounding area.

During May 1977, the final programme for each INSERM Conference, along with the registration form will be published in this journal. Those wishing to receive additional information as of now, should complete and forward the enclosed form.

REGISTRATION FEE AND SPECIAL FUND

Participants whose applications are accepted but who are not invited speakers, will be asked to pay their registration fee and board (1000 FF). A special fund will be made available to the chairman of each Conference, enabling him to pay part of the expenses of some participants requesting such assistance.

PROGRAMME FOR 1977

The first year of INSERM CONFERENCES will include three meetings as follows:

1977 ENDOCRINOLOGY
November 7 - 10
Chairman: Jacques HANOUNE
Co-Chairman: Etienne BAULIEU
Presentations will concern the following fields of interest:
1) Recent methodological advances and new biological systems;
2) Hormonal regulation of the intermediary metabolism;
3)Membranes and transduction of hormonal information.

1977 IMMUNOLOGY
November 14 - 17
Chairman: François KOURILSKY
Co-Chairman: J.-F. BACH
Presentations will concern the following fields of interest:
1) Nature and specificity of T-cell receptors - Relationships with the major histocompatibility complex;
2) T-cell mediated cytoxicity.

1977 NEUROBIOLOGY
November 21 - 24
Chairman: Jacques GLOWINSKI
Co-Chairman: J.-P. CHANGEUX
Presentations will concern the following fields of interest:
1) Neurotransmitters - Identification; synthesis and release processes;
2) Receptors - Characterization; isolation; molecular properties and regulation.

Additional information about INSERM CONFERENCES, along with the registration forms and conference programmes, may be requested by completing the enclosed reply form and forwarding it before April 1st to INSERM CONFERENCES, Institut National de la Santé et de la Recherche Médicale, 101, rue de Tolbiac - 75645 PARIS CEDEX 13, France - Tél. : 584.14.41.

REQUEST FOR ADDITIONAL INFORMATION

NAME, TITLE and POSITION:

_________________________________________________________

_________________________________________________________

INSTITUTION (with address and phone number):

_________________________________________________________

_________________________________________________________


25 FEBRUARY 1977
If you couldn’t make it to the 1977 AAAS Annual Meeting in Denver, we’ve arranged to bring the meeting to you. This year, like last year, we’ve taped some sessions (both presentations and question-and-answer sessions) so you won’t miss much.

These high quality tapes are on handy cassettes—useful for classroom, library, or personal use—and at a reasonable price.

We can’t list all the audiotape titles on one page, but the sampling below will give some idea of the diversity of topics available.

**Medicine and Health**
Scientific Information and Public Policy: Regulating the Use of Psychotropic Drugs (77T-332)

**Anthropology**
An Account of the Visual Mode: Man versus Ape (77T-298)
Frontiers of Folklore (77T-337)

**Technological Implications**
Beyond Gutenberg: Communication Without Paper? (77T-317)
Political and Social Aspects of Remote Sensing from Space (77T-348)

**Behavioral Science**
Families Across the Life Cycle: Issues and Perspectives (77T-331)
Individual Differences, Cognition, and Learning (77T-307)
Violence at Home and at School (77T-343)

**Economic and Social Sciences**
National and International Cooperation: The Institutional Limits to Growth (77T-308)

**Science and Public Policy**
Emerging National and International Policy on Information (77T-309)

**History and Philosophy of Science**
Contemporary Religious Movements in America: Religious Minorities in a Secular Society (77T-305)

**Agriculture and Ecology**
Biology and Agriculture in the People’s Republic of China (77T-301)

**General Interest**
The Frontiers of the Natural Sciences (77T-333)
The Right to Die (77T-341)

**Physical and Mathematical Sciences**
The New Solar Physics (77T-303)
The Promise of High Energy Physics (77T-296)

**Energy**
Wind-Energy Conversion Systems (77T-312)
Renewable Energy Resources and Rural Life in the Developing World (77T-323)

**Resource Policy**
Energy from the Rockies: Fueling the Nation or Fouling the States? (77T-321)

**Biological Science**
Physiological Reactions in Plants Initiated by Environmental Stress (77T-304)

**Arid Lands**
American Droughts (77T-294)

**Environment**
How Well Are We Equipped to Cope With Environmental Problems? (77T-299)
The Measurement of Air Pollution (77T-322)

For a complete list of both 1976 and 1977 AAAS Annual Meeting audiotapes, with prices and ordering information, write to: AAAS Cassettes, c/o CEBAR Productions, 2550 Green Bay Road, Evanston, Illinois 60201.
...have now become 8!

Perkin-Elmer now has 8 choices. The three new instruments are described here.

F. Model 340 is the first recording UV-Visible-NIR spectrophotometer incorporating a microprocessor. A prism-grating double-monochromator ensures lowest stray light and spectra are recorded on the instrument's built-in XY recorder.

G. Model 576 A new version of the popular 57 series dedicated to turbid.

H. Model 651 is a multi-slit, double-beam, UV-Visible spectrophotometer with scattering samples with large end-on photomultiplier, digital background correction and repetitive scanning.

Available response times and scanning speeds. A full range of accessories is available.
NEW ADVANCED METHOD OF DRUG DELIVERY

Alzet™ Osmotic Minipump
The first implantable self-powered pump

Continuous pumping into unrestrained animals
The ALZET™ Osmotic Minipump delivers solutions continuously for a period of up to one week in animals as small as mice, without the need for external connections or frequent handling of the animals. This implantable Minipump has been used successfully in experimental studies of the effects of continuous administration of cancer chemotherapeutic agents, addictive drugs, hormones, and antigens. During its functional lifetime, the Minipump acts as a constant source of drug within an animal's body.

Conventional drug delivery methods

Multiple injections
Solutions must be injected several times a day to maintain adequate drug levels. This leads to periods of over- and under-medication and requires frequent animal handling.

Infusion pump/catheterization
Cumbersome, difficult to set up and maintain, requiring external connections and restraints. This method produces an artificial environment for the animal, hampering normal behavior.
How pathologists feel... 

**about the Zeiss Photomicroscope:**

"I make my living looking through a microscope 4-5 hours a day, mostly under heavy pressure, so I want the best I can get. And we don't make photographers out of our pathologists—the Zeiss Photomicroscope does it for us."

"It gives me the quality pictures and operating ease I need." (And now it even comes with automatic coding).

"The Photomicroscope is certainly great for cytology. Once you're spoiled by its tremendous resolution for tissue, no other microscope shows you anything."

"The optics are great—no fuzzy edges. I need Zeiss quality for slide projection during conferences."

**Nationwide service.**

**about Zeiss Clinical Microscopes:**

"Ever since our lab got Zeiss Microscopes, we get 100% on State proficiency."

"You switch to phase contrast by just swinging in the phase ring. The Standard reveals so much more detail, you hope you'll never have to work with any other microscope."

"My Standard never needs service."

"Ours is over 20 years old. We keep adding accessories, e.g., for fluorescence. We just got a new binocular tube and the Zeiss keeps working like new."

**And now... a light-pointer**

The new dual observation head with light-pointer has smoothest movement for pointing to minutest details, red-green light variability for best contrast.

Revco products are designed, engineered and built to offer the maximum ULTRA-Low® temperature storage in the minimum of floor space. But more than that, Revco's ICS (Inventory Control Systems) adapts all Revco units, present or new, to your specific storage requirements. Whether it's stacks and racks for up-rights and chests or field installable racks and baskets and baskets on rails - Revco delivers.

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You don’t have to be rich to be bright.

Introducing the Olympus CH; the first microscope that’s as easy on your eyes as it is on your budget. A special Olympus observation tube coating process reduces light loss to a negligible level. So it transmits more than twice as much light as conventional observation tubes. So you spend less time viewing each slide.

The Olympus CH is designed for smooth, easy operation. It has a large stage and large, accessible control knobs placed near the base for maximum comfort. With its advanced styling and modular design, it has features you’d normally only find on much more expensive microscopes.

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We’ve been making precision instruments since 1919. We pioneered fiberoptics. And we are responsible for the Vanox Universal Research Microscope, Olympus OM camera systems and tape recorders, just to name some Olympus achievements.

But the only way to find out if we’re as bright as we say we are, is to try an Olympus CH yourself. Drop us a line or send us this coupon, and we’ll send you an Olympus representative for a demonstration. Tell us what size shirt you wear, and he’ll also bring you a blue Olympus T-shirt, free.”

Then you can let the world know what you’ve known all along: “You don’t have to be rich to be bright.”

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Company (or institution) __________________________________________________

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Size: Small, Medium or Large (circle one)

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Olympus CH. The first affordable bright image.
the one source
for non-invasive
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BV100 Cardiovascular
Pocket Unit
Hear blood flow sounds as never before on either the volume adjustable, built-in loudspeaker or headset. Battery powered, wear it wherever your practice takes you.

BV380 Blood Velocimeter
See both velocity and direction data on a single meter. Hear on built-in loudspeaker or stereo headset. Outputs to tape recorders; ECG or other chart recorders.

BV382 Companion Oscilloscope
For use with either the BV380 or 381 in blood velocity studies; examine waveform in real-time in scan mode; hold mode for detailed examination; 80 x 105 mm display.

BV381 Chart Recorder Velocimeter
Same as BV380, but has built-in 4-speed, 2-channel chart recorder for both blood velocity waveforms and correlating data from either ECG or phonocardiac sources.

Sonicaid’s doppler ultrasound offers a simple, low risk, non-invasive procedure for studying blood flow and velocity as well as determinations of patency. It has applications for cardiologists, vascular and cardiovascular surgeons; internists, neurologists and general and family practitioners in investigations of the right and left heart; peripheral arterial system; venous system; neurological investigations and general medicine.

Write or phone
Executive Vice-President John Scales for a demonstration or additional information.

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Hard enough to write on.
Excellent resolution.
Reproducible performance.
Fast development.
Q.C. test documentation.

Regularly available

α-32P-nucleotides at ~200 Ci/mmol
Deoxyribonucleoside 5’-[α-32P] triphosphate

<table>
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<th>Package Size</th>
<th>Price</th>
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<tr>
<td>3mCi</td>
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</tbody>
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NEW preparations are available on the same day every four weeks*.

Ribonucleoside 5’-[α-32P] triphosphate

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<tr>
<td>3mCi</td>
<td>405</td>
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NEW preparations are available on the same day every four weeks*.

* Schedule available on request

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SCIENCE, VOL. 195
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- lanolin
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[125I] Bolton and Hunter Reagent for protein iodination (N-succinimidyl 3-(4-hydroxy-5-[125I] iodophenyl) propionate), Catalog No. IM.86

**SPECIFICATIONS**

Specific activity: > 1700 Ci/mmol of the mono-iodo ester

Radioactive Concentration: 1–2 mCi/ml at reference date (higher concentrations on request)

Molecular Weight: 387 (mono-iodo ester)

The product is supplied in a solution of dry benzene containing 0.2% dimethyl formamide in 7ml multidose vials fitted with an additional screw cap. The radiochemical concentration is 1–2 mCi/ml, and the standard packs are 1 mCi and 5 mCi.

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