



Orr, Theriot Appointed Associate Directors

Fermilab Director Leon M. Lederman has announced two appointments to the Directorate.

Effective May 1, 1989, J. Richie Orr, currently Associate Director at Large, will become Associate Director for Administration. Dennis Theriot will become Associate Director for Technology.

Both individuals bring to their new positions a great range of experience

with and knowledge of Fermilab's workings, as well as impressive records of accomplishment in various areas of the Lab's programs.

Rich Orr was Head of the Neutrino Lab from 1972 to 1974, Deputy Head of the Research Division from 1974 to 1975, Fermilab's Business Manager from 1976 to 1977, Head of the Energy Saver Project from 1978 until its completion in 1984, and Head of the Accelerator Division from 1981 to 1986. Orr, together with Helen Edwards, who succeeded him as Accelerator Division Head, was instrumental in the successful construction, commissioning, and operation of the Energy Saver.

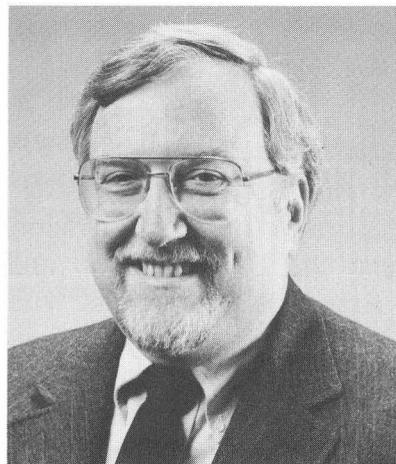
In his letter informing Department of Energy Batavia Area Office Manager Andrew E. Mravca of the appointments, the Director noted that Orr served "in every one of these positions. . . with distinction. More recently he has successfully sorted out a number of difficult problems for the Directorate. He is our most experienced manager. I feel that his experience on the administrative side as Business Manager, Project Manager, and Division Head will be invaluable to Fermilab in his new position.

"Finally, it is worth noting that Rich is one of the original heroes of NAL. He was one of the Main Ring managers who brought the Main Ring into exis-

tence in the early days of 1972. He was also head of the Meson Lab prior to 1971."



J. Richie Orr



Dennis Theriot

Dennis Theriot began at NAL with the Radiation Physics Section under Miguel Awschalom in the Village in 1969, then, in 1972, became Head of the Remote Handling Group in the Neutrino Area. He and his group were responsible for the construction of the Neutrino Target trains and

the servicing of their radioactive components. These devices were a major advance in target systems over what had existed at Brookhaven National Lab and CERN. He next became Head of the Neutrino Mechanical Group, then Deputy Head of Neutrino Area. In 1977 he was named Head of the Neutrino Department. In 1979, Theriot returned to experimental physics while, at the same time, overseeing the upgrade of the beams in the Neutrino Area.

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New Pbar Record Set

On 27 April, 1989, Fermilab's Antiproton Source Accumulator Ring set a new record for antimatter accumulation by attaining a stack of 97.2×10^{10} antiprotons. The previous world record of 86.5×10^{10} pbars, also held by the Fermilab machine, was exceeded the previous day. The new record is just short of the Antiproton Source Department's short-term goal of accumulating 1×10^{12} antiprotons. Along the way, Fermilab "pulled away" from CERN in the antimatter race. CERN's Antiproton Accumulator (AA) recently achieved its own peak stack record of 85.7×10^{10} antiprotons.

What is the significance of this achievement? It has been theorized, but not yet proven, that at some

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Fermilab Arts Series

Tickets are available at the door for **Sotavento** and **David Hernandez & Street Sounds** on the evening of May 6 (tomorrow) at 8:00 p.m. in the Ramsey Auditorium.



Sotavento

Sotavento members hail from Chile, El Salvador, Mexico, Puerto Rico, and the United States, and bring indigenous Latin American instruments with them.

Troubador David Hernandez captivates audiences with his street-wise poetic imagery accompanied by the vital musicians of Street Sounds, "an extraordinarily special combination of art, social, and cultural sensitivity and wit." Tickets are \$8.

On June 17, 1989, the Fermilab Arts Series will present **Dorothy Donegan**, "not only a first-class jazz pianist who can interpret a ballad with deep feeling or get the house rocking with back-room

"Pbar" continued from page 1

intensity there looms a point at which the stacking rate decreases to nearly zero. This limit has now been pushed to above the new stack record.

Despite the fact that the stacking rate decreases as a function of stack size, the stacking rate was a respectable 7.5×10^9 pbars/hour when the new record was attained. TEVATRON Collider upgrade plans call for stack sizes of up to 2×10^{12} antiprotons. The Accumulator has now proven its ability to approach half of this intensity.

This milestone came as the result of diligent efforts by personnel in the Antiproton Source Department led by John Marriner, the Accelerator Operations Group led by Bob Mau, and by a TEVATRON Collider studies period along with a fair amount of good luck. - **Elvin Harms**

boogie woogie, but also a pre-eminent entertainer." She will be joined for her Fermilab performance by Larry Gray on bass and Joel Spencer on drums. Tickets are \$12.

Jonathan Frid may be best known for his TV role as vampire Barnabas Collins on "Dark Shadows," but his four decades of theater work have proven him an exceptional storyteller as well. Mesmerizing tales by such masters as Groucho Marx, Robert Benchley, Robert Frost, Stephen King, Edgar Allan Poe, and Somerset Maugham make up "Fridiculousness: Jonathan Frid in a Lighter Vein," on July 22, 1989. Tickets are \$7.

This year's instrumental showcase, on August 26, 1989, features one of the oldest and most versatile string instruments in the world. **Straight from the Harp** samples some of the many varieties of harping, including the Celtic sounds of **Sileas** (Scottish harpists **Patsy Seddon** and **Mary Macmaster**), the Paraguayan harp styles of **Alfredo Ortiz**, and the jazz harp of **Deborah Henson-Conant**. Tickets are \$11.

Tickets for these Ramsey Auditorium shows (except Sotavento/David Hernandez) are available by calling ext. ARTS weekdays between 12:00 a.m. and 12:00 noon, or 1:00 p.m. to 4:00 p.m. Tickets not paid for within five days of reservation are released for sale. - **Tammey Kikta**

"Directors" continued from page 1

In the fall of 1980, Theriot joined the Collider Detector at Fermilab (CDF). Again quoting from the Director's letter, "In his capacity as Deputy Project Manager of the CDF detector and Deputy Head of the CDF Department, he was the effective project manager of CDF construction. [Then CDF Co-Manager] Roy Schwitters largely delegated the technical direction and management of the project to Dennis, thus allowing Roy the time to guide the scientific direction of the CDF collaboration. CDF has been a great success, and one reason was the strong technical management that Dennis brought to the project.

"I am confident that [Dennis and Rich] will help to keep Fermilab a strong Laboratory in these very difficult times."

Ninth Fermilab Industrial Affiliates Meeting has "Applications of Accelerators and Particle Physics" as Roundtable Topic

On May 25 and 26, 1989, Fermilab will host the Ninth Annual Fermilab Industrial Affiliates Meeting. This year's meeting will feature two Roundtables. The first, on the 25th, is entitled "Applications of Accelerators and Particle Physics," and will feature T. Gozani (SAIC), A. Crewe (University of Chicago), G. Williams (BNL), A. Lennox (Fermilab), C. Nunan (Varian Associates), T. Cahill (U.C., Davis), and M. Wilson (LANL). The Roundtable departs from previous versions in that the panelists will deliver talks on subjects ranging from synchrotron radiation, industrial accelerators, electron microscopy, and medical accelerators, to archaeological dating and forensics. The banquet speaker on the 25th will be L. Smarr, Director, National Center for Supercomputer Applications, University of Illinois.

On the 26th, a series of talks will begin with J. D. Bjorken (Fermilab) speaking on "The Impact of Particle Physics," followed by W. LeCroy (LeCroy) on "The History of Data Acquisition for HEP - the Corporate Perspective." A second Roundtable will feature T. Nash (Fermilab), J. Gage (SUN Microsystems), J. Moussoris (MIPS), and P. Sharp (Rutherford) discussing various aspects of computing and electronics for science.

The Annual Fermilab Industrial Affiliates Meeting provides an opportunity for representatives of industry to tour Fermilab, receive input on new technology growing out of the Lab's primary mission, and exchange ideas and information. Please call the Affiliates Office at ext. 3333 for further details on the Meeting.

"Wellness Works" News

It's No Sweat

On Friday, May 19, 1989, thousands of employees across the nation will be "walking off the job." Why not join over 300,000 American workers who will be taking part in the First National Employee Health and Fitness Day. This event is held in conjunction with Illinois Employee Fitness Day and is sponsored by the American Lung Association.



This is the third year Fermilab has participated in this non-competitive walk-jog event. However, this year all participants will be entered into a raffle. In addition to receiving a ribbon for completing the 2-mile course, you will be eligible to win a single gym membership or swimming-pool pass, as well as Fermilab headbands.

Registration begins at 11:30 a.m. between service buildings A0 and A1 on the Main Ring Road. You may start any time after registration begins, but allow enough time to finish by 1:30 p.m. when the event concludes. For more information, call Dotti at ext. 4367. Employees who are on medication, overweight, or under a doctor's care may want to consult with their physician prior to registration.

Come join in the fun for the health of it during your lunch break. - **Kathy Gavorcik**

The Film Society Presents:

My Life as a Dog, wherein 12-year-old Ingemar endures a series of horrifyingly funny disasters while growing up in Sweden in the late 1950s. Lasse Hallstrom, dir. Friday, May 12, at 8:00 p.m. in the Ramsey Auditorium.

French Film Weekend, May 19-20:

Jean de Florette, Claude Berri's adaptation of Marcel Pagnol's work about shattered dreams among Provençal peasant farmers in the 1920s. Friday, May 19, at 8:00 p.m. in the Ramsey Auditorium.

Manon of the Spring, sequel to *Jean de Florette*. Both films won the National Board of Review's Best Foreign Language Film award. Saturday, May 20, at 8:00 p.m. in the Ramsey Auditorium.

Admission to all films in the Fermilab International Film Society series is \$2 for adults, \$.50 for children 12 years old and under.

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Editor: R. Fenner Editorial Assist.: S. Novack

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Stockrooms to Close for Inventory

The Fermilab Stockrooms will be closed for annual inventory on the following schedule:

Wilson Hall Catacombs Stockroom: closed Friday, May 19, at 12:00 noon. Will re-open Monday, May 22, at 12:30 p.m.

Site 38 Stockroom: closed Monday, May 22, and Tuesday, May 23, all day, both days.

Please plan accordingly. For questions or problems, call ext. 3808, the Supply Office.

Trudy's NALREC News

Only one event to remind you of this time (budget review and all that. . . busy, busy), but it's a good one.

The **20th Anniversary Old-Timers Party** will kick off at 5:15 p.m. in the Village Barn on May 12. And when NALREC says "Old-Timers Party," that's exactly what they mean. Featured prominently will be old photos of early employees (or is that early photos of old employees?), '50s and '60s rock n' roll by "Croozin' the Loop," and a special food rate based on time of service at the Lab: employees with over 20 years of service get free chow; over 15 years, \$1; over 10 years, \$2; over 5 years, \$3; and you newcomers still get a bargain at \$4. The menu includes steak, baked potato, salad, and rolls, and refreshments will, as usual, be served. Retirees can avail themselves of the feast for a mere two bucks.

Everyone is invited, and NALREC hopes everyone shows up. If you need more info, contact Glenn Lee (ext. 4448), Jo Baaske (ext. 3046), or Jesse Guerra (ext. 4305). - **Trudy Kramer**

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General admission tickets for Great America are \$14.50 through NALREC, a savings of \$4 at the gate. For a limited time, a special children's ticket is available for \$9.50. These special tickets are for ages 4 through 9 years, and are good for weekends from April 29 through May 21, weekdays from May 22 through June 30. Tickets can be purchased at the Atrium Reception Desk from 8:00 a.m. to 4:30 p.m. For more information, call Jesse Guerra or the Reception Desk (ext. 3353).

Total time that the song "Yesterday" has been broadcast or performed since it was written in 1965, expressed in years: **29** - from *Harper's Index*

FermiNews Cla\$\$ified Ad\$

FOR SALE Motorized Vehicles:

1987 CHEVY S-10 BLAZER, Tahoe package, loaded, low mileage, \$13,000. Call Jim at ext. 2263 or 584-6698 after 5:00 p.m.

1985 RENAULT ALLIANCE, 43,000 mi., good condition, must sell - moving at end of May. \$2500. Call Tina at ext. 3654 or 983-8226 after 6:00 p.m.

1982 NISSAN 200SX, excellent condition, 50,000 mi., A/C, AM/FM, lots of options; moving, must sell. \$3200 or best offer. Call Philippe Wilhelm, ext. 2582 or 983-8226 evenings.

1979 FORD GRANADA, 91,700 mi., auto., PS/PB, air, two new tires, good condition. \$850. Call Jim at ext. 3281, or 983-9058 evenings and weekends.

1975 DODGE DART SPORT, 318 cu. in., 2 bbl., 19 mpg, alloy slot mags, Hurst 4-spd, Firestone radials; new: battery, radiator, alternator and dual exhaust; JVC 100-watt stereo/cassette also new; no rust; \$1500 w/stereo, \$1100 without. Call Stephen Harris, ext. 2946.

1975 MAVERICK, rebuilt trans. and 351 CID w/Holley 600 4-brl., mag wheels, new 13 in.-wide rear tires, air shocks, positraction, traction bars, new suspension, needs tuneup. \$550. Call 879-8042.

1974 KAWASAKI KZ 400. \$250. Call Jim at ext. 2263 or 584-6698 after 5:00 p.m.

Miscellaneous:

MOVING SALE. Dining table and four chairs, \$200. Bed, \$150. Vacuum cleaner, \$50. Shelves, \$25. Lamp, \$10. Four stools, \$15. Chair/mattress, \$50. All 1 year old. Call Tina, ext. 3654, or Philippe, ext. 2582, or 983-8226 after 6:00 p.m.

1988 PRO METAL WOODS, Tour Model II 1-3-5. \$190 new, asking \$150. TITLEST WOODS, 1-3-4-5, very good condition, \$75. Call Jack Mateski, ext. 2812.

1987 JAYCO DOVE 6 POPUP CAMPER, Designer Series; like new; awning, TV ant., many extras. 557-2523.

10-SPD. BIKE, man's Free Spirit, 26 in., \$140. KENMORE SEWING MACHINE, like-new condition, \$65. Call Jim at ext. 2263 or 584-6698 after 5:00 p.m.

BICYCLES: Azuki 27-in. man's 10-spd, \$40. Sears 26-in. woman's 3-spd, \$35. Both in good operating condition and w/fenders. TROMBONES: Conn "Director," \$75. Selmer silver "Signet," \$200. Excellent condition. SAIL-BOAT W/TRAILER, 14-ft Starcraft fiberglass sailboat, 21-ft aluminum mast, sail and fittings. Spartan Trailer w/extra wheel and tire. All in excellent condition, \$650. Call Bob at ext. 3084 or 377-1644 after 6:00 p.m.

QUEEN-SIZE WATERBED on a 6-drawer pedestal w/very nice headboard and etched mirror. \$250. Call G. Davis, ext. 3103 or 553-7644.

WANTED

The Neutron Therapy Facility is in need of an IBM PC, XT, AT, or compatible clone. If you are upgrading your system and would like to donate your old system to NTF, please call Arlene Lennox at ext. 4850.

5 hp horizontal-shaft gas engine. Call Ed Dijak, ext. 3654.