By Jim Eisen

Neither the Soviet Union nor the United States will have a disarming first-strike capability for the foreseeable future, predicted Professor of Political Science William Kaufmann Friday afternoon at a Seminar on Technology and International Security sponsored by the Center for International Studies.

Kaufmann, a high-ranking Pentagon analyst for nearly six

years, spoke to nearly sixty persons in the "US/USSR Technological and Strategic Balance." He forecast that the strategic nuclear balance will probably hold for at least a decade for any combination of offensive measures, because of the substantially irreversible forces of intercontinental and submarine-launched ballistic missiles on each side.

He stated, however, that American defense analysts are concerned about trends that may alter the balance. "The full consensus in US intelligence communities," asserted Kaufmann, "is that the Soviets have amply so interest in 'martial assured destruction' (guaranteed mutual annihilation, the American deterrence doctrine) but rather in war-fighting capability." This emphasis does not imply aggressiveness nor can we make any other significant inferences about Soviet intentions, he added.

Among the disturbing areas of Soviet activity listed were:

* A new generation of missiles,
* A report issued by the MIT—Harvard Joint Center for Urban Studies charges that federal funds to help inner city residents are being misspent. The paper, which was prepared by a team that included MIT Professor Bernard J. Frieden, cites the construction of a tennis complex in Little Rock, Ark, using funds from the Community Development Revenue Sharing program as an example of a project which benefited a local community at the expense of the poor.

* The Eastern division champion women's volleyball team last night left for the Small College National Tournament at Pepperdine University in Malibu, California. Among the team's first-round opponents will be first-seeded Texas Lutheran College tomorrow evening.

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Dr. Profiled William Kaufmann analyses the "balance of terror" between American and Russian nuclear capabilities.

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"It is possible to put together a fairly scary story for the future—the Soviets could reduce their own fatalities to 5 per cent of their population while producing 50 per cent US fatalities and 90 per cent destruction of US industry," he said.

"The calculation, he pointed out, is a 'fragile' and 'extreme' one—"I set no great store by it"—

but some analysts are triggering a variety of demands for US countermeasures. In response to a later question, Kaufmann admitted that a Soviet advisor could produce a similar scare story, explicitly considering developments in US offensive capabilities.

On the technological side, Kaufmann saw no alarming or surprising trends. Though there has been a maturing and evolutionary upgrading in the quality of Soviet technology, while the US has been "coasting," America is maintaining an important lead in areas that are militarily significant, Kaufmann reported. This lead is naturally more substantial in newer areas of research, as the Soviets catch up to where we are running into diminishing returns from research; the Soviet edge, Kaufmann noted, lies in the fact that "they are more imaginative in areas that are militarily significant."

Five potential military problems for the future were raised:

* The strategic balance;
* Buildup of Soviet forces in East Germany;
* A Soviet jump on the US Navy, especially in antisubmarine capabilities;
* "A power projection" ability of the Soviets (including airlift and amphibious capabilities); and
* Impressive Soviet investment in production plants and facilities.

The Soviet Union's lead for the future, Kaufmann concluded, is what to do if the Soviets are going for a damage limiting capability.

**United States, Russia in nuclear balance**

**Rock group overshadows unimpressive Patti Smith**

**Review**

**In the News**

**ERRATA**

In the photo essay on the UMOC dinner at McDonald's which appeared in the last issue of The Tech, the captions under the pictures of Steve Meretzky '79 (The Gorilla) and Mitch Wenzel '79 (The Spirit of Transcendental Horizons) were inadvertently switched. The Tech regrets the error.

By Claude Perry

Patti Smith, who must be the most absurd spectacle in rock today, topped a bill that included Reddy Teddy and Sparks at the Orpheum Theater Saturday. Smith's poetry is by far more interesting than her music. Her style is best suited to small clubs. Her attempts to reach the whole hall were a ludicrous and pitiful sight.

Even more putrid were Reddy Teddy, the latest AERoneon instead to come down the pike. They leaped and flailed about to no useful end. The lead singer screened each set of banal lyrics with no sense of phrasing or control. At the end of the set, he threw copies of the group's new album into the audience. It was quite a surprise to me that no one threw them back.

Sparks, already one of the most refreshing acts in rock, seemed even more so after Reddy Teddy's inept performance. Making their Boston debut with a new band, their part of the evening was unquestionably the most successful. The sound system even rose and fell, the lead singer captions were inadvertently switched. The Tech regrets the error.

almost in the same manner that Sparks' music so appealingly. Sparks are engaging performers who have successfully survived numerous producer and label changes. Their concept consisted mainly of material from their debut album for Columbia, Big Beal. The album represents a slight change of style for them. They have, however, carried it off while losing none of the wit and style that has endorsed them in a large following in Europe and a rabid cult in the States.

After dedicating her performance to "the men and women who were victims of the war," she said that "we channel our pain into the music and the instrument." Her attempts to reach the whole hall were a ludicrous and pitiful sight.

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New The Tech board selected

Special to The Tech

Lynn Yamada '78 became the third resident of McCormick 5th West in just four years to be elected Chairperson of The Tech when she was so named by the Volume 96 Board at a meeting last Sunday.

The Board, which met at what seemed like dawn, deliberated for over two hours before deciding on Yamada and twenty-two others to lead the paper through its 97th year.

The Board selected William Lasser '78 for Editor-in-Chief and William Harper '79 for Business Manager, and re-elected Rebecca Waring '79 to the post of Managing Editor. Waring has served in that capacity since late October.

After plodding through the Executive Board positions, the election process picked up steam. Mark James '78 and Nivin Pei '78 were elected News Editors in a fortunate burst of energy, and the Board rode their wave of momentum right through the selection of Kevin Wiggers '79, Patrick Fram '80 as Night Editors.

As The Tech's Board Room began to fill with the members of the new board, who were allowed to observe, interview and comment, but not vote, the old Board created even more congestion by appointing two Photography Editors Tom Doughnuts between the choice of -room consumed its sixth box of mincr upset."

asked not to be identified, as "a Volunteer.

The teeming crowd now in the room consumed its sixth box of doughnuts between the choice of Tom Curtis '80 and Gary Englesem '80 as Sports Editors; the promotion of Katy Gropp '80 from Associate Arts Editor to Arts Editor, and the repositioning of David Thompson '78 from Night Editor to Advertising Manager.

In what was perhaps the most bizarre happening of the day, the board then considered the nominations of eight senior staffers as Contributing Editors. In the amiable atmosphere of mutual admiration which persisted even at the end of the tedious session, there was little difficulty in granting this honorable title to all eight deserving staff members.

Those who will serve as Contributing Editors for next volume are Lee Tower, who already holds the same title, and current Board members Chairperson Jills Malakie '77, Editor-in-Chief Glenn Brownstein '77, Business Manager John Sallay '77, Executive Editor Mark Munkasy '78, News Editor Gerald Radack '77, and Photography Editors Tom Klovrnicz '77 and Dave Schaller '78.

The new Board will take over operations of The Tech at the beginning of February. The Volume 97 board is the largest in recent history. Not including the contributing editors, it is also one of the youngest, with only four juniors, six sophomores and five freshmen.

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Indoor track trips Brandeis

(Continued from page 4)

The distance runners recorded excellent times, but could manage only one first place (Egan) in the 600-yard race because they faced the Brandeis distance team which placed third in the NCAA Division III cross country championships last month. All-American co-captain Frank Rickardson '77 forced Brandeis All-American Chris Horton to shatter the Rockwell Cage two-mile run record by eleven seconds. His 9:12.6 easily beat Egan's record by eleven seconds. His 9:12.6 easily beat Egan's mark of 9:12.2. The senior swept past the Judges' anchor man to the cheers of a delirious Cage crowd and then increased his winning margin to ten yards as he ran into the out-stretched arms of an ecstatic Engineer relay squad.

The double win puts MIT's championships last month. All-pass to the Ivy League. 253-1541. Football, tennis, hockey, basketball, volleyball, indoor track, and cross country teams have been the most successful. The distance runners recorded excellent times, but could manage only one first place (Egan) in the 600-yard race because they faced the Brandeis distance team which placed third in the NCAA Division III cross country championships last month. All-American co-captain Frank Rickardson '77 forced Brandeis All-American Chris Horton to shatter the Rockwell Cage two-mile run record by eleven seconds. His 9:12.6 easily beat Egan's record by eleven seconds. His 9:12.6 easily beat Egan's mark of 9:12.2. The senior swept past the Judges' anchor man to the cheers of a delirious Cage crowd and then increased his winning margin to ten yards as he ran into the out-stretched arms of an ecstatic Engineer relay squad.

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Okine and Egan pace runners' victory

By Dave Dobos

Powered by aggressive running and overall outstanding efforts in the field events, the MIT indoor track team gained vengeance on highly-rated Brandeis Saturday afternoon in Rockwell Cage. In the three meet, the Engineers piled up 68 points, Brandeis tallied 58, and Worcester Poly trailed with 14.

Rich Okine '77 and co-captain Joe Egan '77 were the leading Engineer figures in the double victory. The win over Brandeis avenged the 1:01-point heart-breaking loss to the Judges last December.

Okine took up where he left off last year, capturing the 50-yard dash and the 45-yard high hurdles in 5.7 and 6.0 seconds, respecti-vely. Both are excellent times, just a hair off of the Eastern hurdlers' personal bests. Egan was sensational, thrilling the Cage fans by upsetting Brandeis' Bob Dresow in the 600-yard run and later returning as anchor man in the mile relay to breeze past his Brandeis foe, padding MIT's winning margin. It was his run in the 600 that inspired his teammates to put on their best performances. MIT head coach Gordon Kelly couldn't have been happier after the meet. Not only did the victory please him, but also the manner in which his athletes competed. "It was truly a team ef-fort," observed the coach. Every Engineer chindal displayed the utmost effort and determination in his event. The runners put it on the line early and made their opponents fight for every point. The field event competitions estab-lished personal bests or bettered 1975-76 team marks in four of six events.

Steve Sifferlen '78 highlighted the field event performances. His winning 509"9 effort in the 35-lb. weight throw bested his previous best by more than a foot. Team-mate Fred Bunke '78 trailed Sifferlen by a mere seven inches in the weight throw and recorded a personal best of his own in the shot put, a fine 45 11/16". Pole vaulters Jim Williams '77 tied his personal indoor mark of 13'9" in capturing the event. Fellow vaulter Ed Ingenito '79 did likewise at 13'6" for second place.

Shooters set national record

Last weekend proved quite fruitful for the MIT Varsity Pistol team, as it defeated Newark College of Engineering in a collee-

The three MIT shooters setting the record were David Schaller with a 355, a home match against WPI this weekend, and 5-1 in the field event performances. His individual performances. Freshman Kwoka Temeng sprung for 45 1/2" for second in the triple jump and then sprinted to a third place in the dash.

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