

Only 2 Starters Missing From '56 Baseball Team

With only two serious gaps to fill before the season's opener April 6 against Bucknell, Coach Joe Bedenk continues to send his Lion baseball club through "spring practice" sessions at Beaver Field.

Losing only leftfielder Bob McMullen and second baseman Lou Schneider by graduation, Bedenk finds this year's club strong in both experience and potential. Excluding the pitching department, six starters from last year's 16-3 team are back.

In the infield, Bedenk has first baseman Gary Miller, shortstop Guy Tirabassi and third baseman Steve Baidy back for another season.

Captain Jim Lockerman, a centerfielder, and rightfielder John McMullen top the outfield candidates with Don Stickler set to handle the catching chores again.

To add to the all-ready happy picture, Bedenk has a good supply of capable reserves to pick from before naming his starting lineup.

In the infield, there's Bob Hoover, Wayne Breisch and John Yeosock. All three are sophomores who have shown some promise in the early days of practice.

The outfield supply is also plentiful with junior Ron Rainey and Dave Watkins and sophomores Doug Caldwell and Dean Witherite battling for starting berths.

With Stickler almost assured of the starting catcher's assignment, Walt Krauser, Carl Royer, Bucky Welsch and Tom Sweirczewski will do battle for the top reserve spot.

Pitching, usually a major problem for most managers, should be one of the strongest departments on the team with southpaw Ed Drapcho leading the way.

Drapcho, considered by several experts to be one of the best collegiate pitchers in the game today, was the team's earned-run average leader last season with a fabulous 0.91 mark.

Along with Drapcho, Bedenk has southpaws Cal Emery, Stan Szymanski, Dave Simmers and Merl Stover and righthanders Lynn Harbold, Ron Smith, John Minnich and Larry Baver set

5 Fraternities Score Shutouts In IM Bowling

Five of six matches ended in shutouts in Tuesday night Intramural League A bowling action.

Lou Gomlick fired a 218 game and a 508 series to pace Alpha Tau Omega to a whitewash win over Tau Phi Delta. Dick Werner's 425 series led the losers.

Al Rose and Steve Nitzberg teamed up to lead Sigma Alpha Mu to a shutout victory over Delta Upsilon. Rose felled 542 pins for the three-game set, and Nitzberg turned in a 201 game to take single honors. Charles Prutzman's 463 series was tops for DU.

The night's top individual performance came in a losing cause. Tau Kappa Epsilon's Karl Snyder notched a 227-543 effort, but his team dropped three of four games to Kappa Delta Rho. Joe Burns, with a 535 series, paced KDR.

Ralph Sosnowski's 486 total was the top Theta Xi showing in a 4-0 win over Theta Delta Chi. John Fracalossi led the losing quintet with a 450 score.

Phi Delta Theta's John Garber rolled a 486 series to lead his club to a shutout over Phi Sigma Delta. Irwin Bass notched a 411 total for Phi Sig's best individual showing.

Martin Lieb (457) paced Alpha Zeta in a 4-0 decision over Phi Gamma Delta. Phi Gam's Beek totalled 440.

Scholastic Basketball

PIAA Playoffs
Class A
Interdistrict
Erie Strong Vincent 10 63 Clearfield 9 62
Dist. 7, WPIAL Championship
Sharon 56 McKeesport 55

Adcock Rates Brooklyn As 'Team to Beat'

BRADENTON, Fla., March 20 (AP)—Joe Adcock, the slugging first baseman who rules Brooklyn pitching, thinks his Milwaukee Braves have a better chance to win the pennant this year than in 1956.

"We've been through a siege now," he said before an exhibition game. "We'll have what it takes."

"Say what you want, there was a lot of pressure on us last year. When you try to give that little extra, sometimes you hurt yourself."

Like most of the Milwaukee players, Adcock insists the Braves didn't lose the pennant last year, rather Brooklyn won it.

"Man for man we're as good as anybody in the National League. One, we'll have Fred Haney as manager from the very start and there won't have to be any mid-season adjustments."

Adcock considers Brooklyn "the team to beat" and feels St. Louis may move up.

Tigers Wallop Bucs; Reds Pound Larsen

FORT MYERS, Fla., March 20 (AP)—The Detroit Tigers raked four Pittsburgh Pirate pitchers for 11 hits and an 8-4 victory today in an exhibition baseball game.

Dick Stuart, Pirate rookie hitting sensation, got a double, batted in a run and scored another in the first inning. In his next three trips to the plate he struck out twice and was thrown out once.

ORLANDO, Fla., March 20 (AP) Ed Bouchee and Joe Lonnett smashed home runs for Philadelphia today as the Phils defeated Washington 6-4 before 812 fans.

Bouchee crashed a three-run homer in the first inning off Bob Wiesler, but the Senators spurted into a 4-3 lead in the seventh.

SARASOTA, Fla., March 20 (AP)—Billy Klaus' bases loaded single in a five-run fourth inning proved the big blow today as the Boston Red Sox blasted the Chicago

White Sox 9-4 before 2,673 get-away day fans at Payne Park.

ST. PETERSBURG, Fla., March 20 (AP)—Don Larsen was pounded for six hits and five runs in his first appearance since his perfect World Series game today as Cincinnati drubbed the New York Yankees 20-6 in an exhibition featured by home runs by the Redlegs' George Crowe, Smoky Burgess and Jerry Lynch.

VERO BEACH, Fla., March 20 (AP)—Rene Valdes, Cuban right-hander, turned in another hitless relief performance today as the Brooklyn Dodgers scored an unearned run in the 11th inning to shade St. Louis Cardinals 2-1 today.

BRADENTON, Fla., March 20 (AP)—Outhit 10-7, the Milwaukee Braves made the most of their opportunities today to beat the Kansas City Athletics 3-2 and even their Grapefruit League record at six victories and six defeats.

for either starting or relief assignments.

Although he's not having any personnel problems, Bedenk has been handicapped in his practices by the poor weather to a certain degree. But, coaching at University Park for the past 25 years accustoms one to such problems and Bedenk says he expects it. He knows the club will be ready come opening day.

Taking a look at the present situation, Bedenk refused to go out on a limb with predictions for this season. However, he did say their past experience should give the Lions a "pretty fair ball club." How fair, we'll find out later in the year.



"What's it like to be A PHYSICIST AT IBM?"

Five years ago, college senior Nick Hammer asked himself this question. Today, as Administrative Assistant to the Quality Control manager, Nick reviews his experience at IBM and gives some pointers that may be helpful to you in taking the first, most important step in your career as a physicist.

"I was tremendously impressed," says Nick, "by my first plant tour. When you go through the facilities—meet the men and get an idea of the problems they handle—you can't help but become interested. Add the friendly, informal work atmosphere, and you know right off the bat these people have a story to tell."

Nick came to IBM in 1951 with a B.S. in physics. He started as a Technical Engineer—in Test Equipment Engineering—working on an analog bombing system. When that project moved from the Endicott to the Poughkeepsie plant, Nick followed it, becoming first an Associate Engineer, then a Project Engineer. As the lat-



Heading up Quality Engineering

ter, he worked on IBM's first transistorized electronic computer—the 608.

By November, '55, Nick was heading up Quality Engineering in the Quality Control Division of the Poughkeepsie plant. Recently promoted to Administrative Assistant to the Quality Control manager, Nick now concerns himself with the fundamental operations and policies of this 450-man division. Quality Control is responsible for the performance of IBM's vast array of business machines—from simple sorters and punches to the "electronic brains."

What an IBM physicist does

"The problems of Quality Control in this business are endless," Nick reports, "and fascinating to the physicist. There's process control—of the manufacture of components such as transistors and cores . . . of the contents of a gas . . . of the concentricity of an etch solution . . . of the diffrac-

tion of alloys . . . or of the properties of metals, such as the resistivity of germanium. Then, there are the important 'analysis of failure' and reliability studies, in which you seek to determine, for example, the 'life



Problems fascinating to the physicist

expectancy' of a device, the mean time between failures, or perhaps which step in a process has the greatest effect on the equipment involved. You may be asked to control the deposit of glass on X-ray tubes to avoid spill-over, or microscopic spotting. Or you may be dealing with arc-suppression, or gaseous electronics, the grass roots of instrumentation; or in the estimation of tolerances, or



Extensive educational facilities

in correlation coefficients—that is, in physically sound numbers."

Nick has been instrumental in encouraging many college physics majors to come to IBM. "I find they're interested in questions like these," he says: "How would you go about determining the 'life' of electrons in transition from the valence to the conduction band?" Or, in the manufacture of magnetic inks, "How can the grain size of the iron content be controlled . . . or its viscosity regulated over wide temperature ranges? How would you control the concen-

tration and concentricity of colloidal solutions?" "Present a job in terms of actual problems," believes Nick, "and you'll get the man's interest—for it's his career and his future that have top priority."

How about further study?

Nick has taken full advantage of IBM's extensive educational facilities to get ahead at IBM. He took at least one course each semester on subjects within his immediate work area—courses on digital and analog computers and on their components such as cores and transistors. He found time to take management courses as well. "If you want opportunity for study," Nick says, "IBM will provide all you want."



Promotion almost inevitable

Asked about opportunities for advancement at IBM, Nick says, "The situation could hardly be better in that respect. With sales doubling every five years on the average, promotion is almost inevitable."

IBM hopes that this message will help to give you some idea of what it's like to be a physicist at IBM. There are equal opportunities for E.E.'s, M.E.'s, mathematicians and Liberal Arts majors in IBM's many divisions—Research, Manufacturing Engineering, Sales and Technical Services. Why not drop in and discuss IBM with your Placement Director? He can supply our latest brochure and tell you when IBM will next interview on your campus. Meanwhile, our Manager of Engineering Recruitment, Mr. R. A. Whitehorse, will be happy to answer your questions. Just write him at IBM, Room 9301, 590 Madison Ave., New York 22, N.Y.

