



THANK YOU SIR—Manager Bobby Bragan of the Hollywood Stars, whose stormy arguments get him ejected from quite a few Pacific Coast League games, bows facetiously after getting the gate from Umpire Jerry Van Keuren during a two-bill with Los Angeles. Van Keuren breaks into a grin at the mock politeness of the fiery pilot. Just a week ago Bragan was suspended for several days after a beef with umpires. (AP)

Is That So!

The structure of a body and its function are perhaps most exquisitely and wonderfully attained in our birds of flight. As a result, they alone of all animals have achieved a true dominion of that most difficult medium of locomotion, the air.

To overcome the relentless pull of gravity while flapping, gliding, soaring and hovering in their thin medium, birds have developed a much lighter ratio between the weight of bones and body bulk than that found in all other warm-blooded animals. Together with this, they have developed a small, deep-keeled boat-shaped body, streamlined with the help of soft feathers to make smooth contours.

To gain lightness, most flight birds have evolved hollow tubular bones which contain air cavities connected with the lungs. In some birds, even the leg bones are air-filled. Yet in all these paper-thin structures, formed into cylinders and sometimes stiffened with ridges, strength has not been sacrificed. Combining both lightness and weight, surely the bones could not have been more wonderfully engineered.

Besides this, to gain lifting surface, flight feathers enormously enlarge the comparatively meager area of the naked wing. Yet to conserve weight here too, these feathers are relatively few in number and though strong, have hollow shafts.

OF ALL BONES, it is the breast-bone which dominates the bird's anatomy. In length and breadth, it encompasses the greater part of the bird's abdominal cavity and extends almost from the neck to the tail. As a result, it forms a firm, bony front wall to protect the vital organs.

To this immense breast-bone are attached the bird's extremely powerful breast-muscles (the white meat in chicken). So large are these muscles that in some birds they weigh as much as all the other muscles combined (while in flightless man, the ratio is only about one to a hundred.)

In conjunction with this great breast-bone, the backbone is stout and rigid—unlike that of most backboned animals—which imparts additional strength and stability to the body during flight. But why the deep keel to the breast bone?

TO SAFEGUARD a boat from capsizing, its keel must be deep

and adequately weighted. At times, it is even necessary to fill the boat's hold with heavy ballast. Similarly, the boat-shaped body of the bird fulfills these conditions of a deep and weighted keel. To gain weight in the "hold," the bird's keel is weighted by enormous breast muscles and the heavy organs of the bird are placed as low as possible. Meanwhile, the organs which are light in weight, especially the lungs and many of the air sacs, occupy the upper portion of the bird.

From this high level, too, the wings extend so that the bird's center of gravity is always low which permits it in mid air to cant whenever it wishes to steer a new course without danger of capsizing.

So efficient and sufficient is the bird's structure that in this difficult medium, the giant Andean condor can lift heavy food to its ravenous young in a nest 16,000 feet high—and soar far above that. A comparatively chunky bird, the condor, has been found at the 27,000-foot level of Mt. Everest. Demonstrating the sheer economy of the body design, the golden plover has been weighed in after a two-day, 2,400-mile flight with a weight loss of only two ounces! And, presumably, a share of this was not expended "fuel," but moisture given off through the lungs.

EVEN MORE AMAZING than this is how these marvelous structural devices render buoyant the great bird with the longest wingspan, the albatross. This giant of the feathered world, with a 14-foot span and weighing up to 20 pounds, can maintain or even gain altitude in soaring flight in up-rising currents of air of such slight power that they will barely support dust particles or tiny winged insects.

I don't know the skeleton weight of an albatross, but the frigate bird with a wing expanse of seven feet, and weighing around two pounds, has a skeleton which weighs only as much as a cube of butter—four ounces—some-what less than its feathers.

(Copyright, 1954, by Eugene Burns)

Tennile Elk Requests Deadline Set Aug. 31

Applications for permits to hunt in the controlled Tennile lake elk hunt are due in the Portland office of the Game Commission not later than 10 a.m., Aug. 31.

A special hunt is being held in the area immediately east of the town of Lakeside in Coos County in an attempt to harvest some of the elk causing serious crop depredations in the area.

One hundred permits will be issued for the hunt extending from Sept. 18 - 22, and the bag limit will be one elk of either sex. There is no fee for the permits.

A public drawing will be held at the Portland office of the Game Commission on Sept. 2.

All applications must be made on official application blanks.

CUDD LOSES MATCH
DETROIT (AP)—How Pacific Northwest entries fared in the National Amateur Golf Tournament here Tuesday:

Bruce Cudd, Portland, lost to W. E. Holt, Birmingham, Mich., 3 and 2.

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Sports

AS PER SCRIPT

Ram-Card Tussle To Renew Feud

Professional football's most furious feud will be settled here at Portland's Multnomah stadium Sept. 4 when the Los Angeles Rams meet the Chicago Cardinals.

This is the game that matches Coaches Joe Stydahar of the Cards and Hampton Pool of the Rams, and if it's anything like the donnybrook the two clubs waged last year it'll have the spectators hanging on the rafters.

The feud stems from the time Stydahar was fired by the Rams and replaced by Pool, his backfield assistant. As if the script were written in Hollywood, Stydahar became head coach of the Cardinals and they met for the first time in Portland last year.

Stydahar has his Cardinals keyed for the encounter and they turned in an astonishing 23-10 upset victory. To pour more oil on the fire, the Cards held the Rams to a tie in a league game in Chicago and cost the Los Angeles club its division championship.

Both clubs are pointing for their local showdown and it looms as one of the most spectacular games ever brought to Portland.

Rams Show Class
The Rams were in mid-season form here Aug. 8 when they handed the New York Giants a 30-7 trouncing, and they've promised to be even better when they return to play the Cardinals.

The Chicago club, bolstered by some outstanding rookies picked in last winter's player draft and by several key trades, will come loaded for another win and with a squad which figures to give the high-flying Rams much stiffer opposition than the Giants.

The Cards selected Lamar McHan, the Arkansas Traveler, as their first draft choice. He has the poise of a veteran and will answer Chicago's long need for a capable quarterback.

Johnny Olszewski, who looked great in Portland last year, and veteran Charley Trippi are two other outstanding Cardinal backs.

Reserved seats for the game are available by mail through Oregon Sports Attractions in the Dekum Building. The same scale of ticket prices will prevail, with seats in the west and east grandstands priced at \$4 and in the north grandstand at \$3.

Bend, Eugene To Meet In State Softball Final
BEND (AP)—Eugene will meet Bend Wednesday night for the championship of the men's state softball tournament.

Bend advanced to the finals by downing defending champion Oregon City, 5-0. In the opener of Tuesday's doubleheader, Oregon City eliminated Corvallis 1-0.

Eugene, undefeated in tournament play, could win the title with a single victory. Bend would have to win two games.

Corvallis 000 000 0-0 3 1
Oregon City 001 000 x-1 4 3
Wehmeier and Stagg; Marshall and Sanatell.

Oregon City 000 000 0-0 5 4
Bend 201 011 x-5 5 1
Brandt, Marshall (1) and Sanatell; Robinson and Kiel.

HUSKY IN HOSPITAL
SEATTLE (AP)—The Washington Huskies may be without the services of quarterback Jerry Redmond for most of the 1954 football season.

Coach Johnny Cherberg said said doctors advised him Tuesday the letterman signal caller underwent two serious abdominal operations last week and probably will not be available until late in the season, if at all.

Redmond is a graduate of Seattle's Cleveland High School.

GAMES DROWNED
PORTLAND (AP)—Rain again washed out the scheduled American Baseball Congress tournament doubleheader Tuesday night.

The games, which were postponed Monday night also because of rain, were reset for Wednesday, weather permitting.

The schedule: Oregon City vs. Drain and Heales; Babes vs. Norman's Beavers, both Portland.

Macera To Try For Pacific Belt



VON POPPENHEIM
... his belt on line

Luigi Macera, the 202-pound Montreal flash who whipped Madman Mel Peters at the Roseburg Armory Saturday night, gets a chance this week to try for the Pacific Coast junior heavyweight belt.

Macera will face title holder Kurt von Poppenheim, the 205-pound Proud Prussian, in the championship main event on this week's Armory wrestling card.

Matchmaker Elton Owen says Macera wins a chance at the belt because of his fine record throughout the whole Northwest. The fiery Italian with the smooth aggressive style has been very impressive in his Roseburg matches.

Owen points out that the belt sought by Macera is the one held for so long by the great Frank Stojack and is not to be confused with light-heavyweight crown held by Buck Weaver. The junior heavies operate in the 190 to 205 bracket.

Many fans think Macera can upset Von Poppenheim if he can avoid the Prussian's back-breaker and crossbow hold.

Angelo Poffo returns to meet popular Cal Roberts of Vancouver, B.C., in the semi-final match. Young Dale Kiser gets a stiff test when he steps into the ring against Mel Peters in the special opening event, which starts

In The Majors

NATIONAL LEAGUE

	W	L	Pct.	GB
New York	77	44	.636	
Brooklyn	74	49	.602	4
Milwaukee	69	51	.575	7 1/2
Philadelphia	58	62	.483	19 1/2
Cincinnati	59	65	.476	19 1/2
St. Louis	58	64	.475	19 1/2
Chicago	48	75	.380	30
Pittsburgh	45	78	.366	33

AMERICAN LEAGUE

	W	L	Pct.	GB
Cleveland	88	35	.715	
New York	84	40	.677	4 1/2
Chicago	81	45	.643	8 1/2
Detroit	55	68	.447	33
Boston	53	68	.438	34
Washington	51	70	.421	36
Philadelphia	41	81	.336	46 1/2
Baltimore	39	85	.315	49 1/2



—NEA Telephone

ELATED—Wally Ulrich of Rochester, Minn., happily dances jig after taking Kansas City, Mo., Open tournament with 24-under-par 268. It was his first professional win.

Lowly Orioles Crushed Again As Yankees Gain Game On Cleveland; National Race Stays Static

By THE ASSOCIATED PRESS

Despite the magic of travel and fane in the stands the Baltimore Orioles are in just as sad shape when it comes to winning games as were the old St. Louis Browns.

The glamor of the change paid off at the box office, but on the ball field almost nothing is different except the uniforms and a few of the faces.

It will take a 50-50 break in their remaining 30 games for the Orioles to finish with as good a record as the Browns compiled in finishing dead last a year ago. And so far the Orioles haven't looked at any time like a .500 ball club.

They lost their 13th straight game last night, 9-2 to the New York Yankees, who gained a full game on first-place Cleveland. The Indians were scalped 4-1 in a surprise raid by the lowly Philadelphi Athletics and now hold a 4 1/2-game edge over the Yankees.

Jimmy Dykes, who became manager of the Orioles because

Marty Marion told the new owners he didn't think the club was better than a seventh-place outfit at best, still bulks enthusiastically.

"We may be in last place," he said, "but we're nobody's push-over. If we had just one decent long ball hitter, we'd be in the first division now. Just one more hit per game and we're in fifth place."

The Orioles have lost 22 games by one run.

"It seems like twice that many," said Dykes.

Last night, however, it wasn't close after the Yankees took a 3-1 lead in the fourth. Yogi Berra homered for two runs in the fifth and New York coasted as the score mounted steadily.

Johnny Gray, a rookie who had won only one game, checked Cleveland on four hits and the Indians committed two errors that contributed heavily to the Philadelphia victory. Both misplays

came in the third when the Athletics also collected four hits for three runs.

Chicago, the only other team with a mathematical chance of winning the American League pennant, defeated Washington 4-0. Detroit turned back Boston 8-7, breaking a six-game winning streak for the Red Sox.

The National League pennant race remained unchanged. First-place New York beat Chicago 5-1 and stayed four games in front of the Brooklyn Dodgers, who trounced Cincinnati 12-4, and 7 1/2 ahead of Milwaukee's Braves, who defeated Philadelphia 5-1. Pittsburgh edged St. Louis 8-7.

Ruben Gomez pitched a strong six-hitter for his 12th victory and Willie Mays went on an extra-base spree with two triples and a double for the Giants. The New Yorkers combed 14th Minter for 11 hits good for 20 bases in winning their seventh in a row.

Brooklyn grabbed a 4-1 lead after two innings, checked a Cincinnati threat that cut it to 5-4 after five, then piled it on the Redlegs at Crosley Field with a home-run barrage. Sandy Amoros hit two out of the park. Duke Snider and Carl Furillo hit one each.

Warren Spahn, who lost 8 of his first 18 games, won his seventh in a row at the expense of the Phillies. Bobby Thomson started a game for the first time this season and drove home two runs with a single and a double off Robin Roberts, who suffered his 12th loss. Thomson broke his ankle during spring training after being traded by the New York Giants. A home-run attack by the Pirates ruined Harvey Piddix' fifth bid for his 16th victory. Frank Thomas, Jack Shepard and Sid Gordon all hit into the seats at Busch Stadium in St. Louis.

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