abnormally high nitrate or nitrite con
tent:

—After a radical change in diet that
may alter gastrointestinal pH so that
nitrite production:

—When nitrites accumulate in
gastrointestinal tract as a result
deficiency of an essential e
replacement needed to f
down nitrite in the no
process.

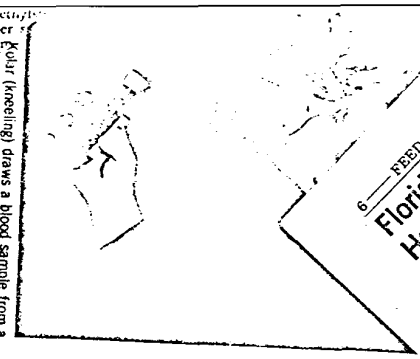
Nitrates and nitri
absorbed from th

...veloped ...g Fever

...researchers
...unt for a
...trol of

New ... Di...

...ech-



Kolar (kneeling) draws a blood sample from a
...een innoculated with a new triple vaccine
...has been developed and field tested
...university farm beet center.

FEEDSTUFFS, Feb. 28, 1972

Florida Shrimp Farm Co... Harvest, Optimism High fo...

...ed by Purnell and Harold
...much, president of the group.
...year the majority of the
...ed not to support the act.
...s, Jan. 10, page 6).

PANAMA CITY, FLA. — The first large-scale harvest of shrimp raised for commercial consumption by ... industry in environmentally ... ocean waters has been ... Marifarms, Inc., ... harvest follow... and dry, ... fro... ...ced ... the ... ...illion ... ...illions

...ority of the PEIA board met
...9 to review the proposed leg-
...and debated it extensively, ac-
...g to the PEIA statement. At that
...cit was decided to delay voting on
...act until board members returned to
...r constituents and sought out their
...lings about the adjustment proposal.
"All directors were required to cast

(Turn to PEIA, page 43)

PCB Suit May Be Remanded to State Court

GREENSBORO, N.C. — A motion to remand to state court the $68 million suit brought by Holly Farms Poultry Industries, Inc., as a result of contaminated fish meal is under consideration by U.S. District Court Judge Eugene A. Gordon.

Holly Farms alleged in a suit filed in federal court that it had to destroy thousands of chickens and eggs due to PCB contamination of fish meal bought from a North Carolina supplier.

Monsanto Corp. was named as the principal defendant, but the St. Louis-based company filed a reply to the court that it was not responsible for the contamination. #

Broiler Quotations

ATLANTA — The Georgia poultry market news service, which has been furnishing the industry with a liveweight, at-farm quotation on broilers, is changing to a quotation of truck load lots of ice-packed USDA grade A sizes from 2½-3 lb., f.o.b. Georgia.

The change, effective last week, was recommended by the marketing committee of the Georgia Poultry Processors Assn. following lengthy studies.

The Georgia quote is distributed ... 35 states and foreign countries and is reported by phone to state market services and poultry associations in North Carolina, Arkansas, Florida, Ohio, Louisiana and Texas. It has served as the barometer of prices for a number of years.

The new basis was selected because it represents the largest single volume of any product and will provide a standardized market, whereby present published prices, except for the live base quotation, are based on different products, it was pointed out.

There will be a "dial a-phone" installed at the market news office for up-to-date information. The number will be 404-656-3709.

...Iowa Poultry Assn. will receive a complete copy of the proposal and a ballot. Ballots are to be completed and returned to association headquarters by March 6. According to Erickson, "The board of directors heard Mrs. Heying outline her proposal at our last board meeting Feb. 22. The board has directed me to obtain member opinions on the amendment before it takes a position on it. The member ballots will determine what action the association takes." #

Hattaway said the ... will increase the employee force to 75 workers.

He said during the 1970-71 period the industry registered a 61% increase in sales, and predicted a 60% gain in 1972. The cooperative produces and packages 3 lb. units of catfish steaks and also frozen shole catfish.

The plant manager said within three years Southern Catfish Processors will have auxiliary processing plants in other states. #

PCB Residues Found in Maine Broilers, Roasters

Feedstuffs Washington Bureau

WASHINGTON — Another outbreak of poultry contamination due to residues of polychlorinated biphenyls (PCBs) — this time in Maine — was acknowledged by the Food & Drug Administration and the U.S. Department of Agriculture. Involved are as many as 500,000 broilers and roasters which were fed feed containing up to 500 ppm. PCBs, according to FDA. The agency said 140,000 birds were destroyed Feb. 24.

Source of the feed contamination was still uncertain, but FDA field inspectors were sampling all ingredients used by 29 different growers.

FDA also lowered its "tolerance" level for action on PCB-contaminated poultry to 5 ppm. in the fat. Previously, it was 5 ppm. in the whole bird, which meant that the amount in the fat could be as high as 40 ppm. PCBs tend to concentrate in the fat. The new action level means, in effect, that only very negligible amounts of PCBs will be permitted in the whole bird.

The latest contamination episode regarding PCBs began when growers last week reported that 11-day-old chicks were dying soon after consuming the contaminated feed.

The U.S. Department of Agriculture announced Feb. 24 that it has begun a monitoring program for all poultry produced in Maine. USDA's Consumer & Marketing Service said that 10 lots of birds — approximately 200,000 — were contaminated with PCBs and that the feed was suspected as the source of contamination. (Later, FDA said 500,000 birds were involved and PCBs were definitely found in the feed).

USDA said the birds are being held at Penobscot Poultry Co., Belfast, Maine, and at Ft. Halifax Poultry Co., in Waterville. All farms known to be associated with the feed problem are having their poultry tested before slaughter under USDA supervision.

While USDA is monitoring birds coming to slaughter, FDA is continuing its investigation of the source of the contamination. Preliminary findings indicate that the feed produced at one feed mill during one day, Jan. 25, was the source of the contamination, C&MS officials said.

C&MS said none of the birds being held would be released for food unless they comply with PCB guidelines established by the FDA. Birds not in compliance will be destroyed, USDA said.

(Turn to PCB, page 43)

University
of Facts an

0561824

8 a.m. to 5 p
8:30 a.m.

10 a.m. to N

1:30 p.m. to
4:30 p.m.

8 a.m. to 5 p
9:30 a.m. to
9:30 a.m. to
12:15 p.m. t

2 p.m. to 5 p

2:30 p.m. to
2:30 p.m. to

4:45 to 5:45

8 a.m. to 5 p
9 a.m. to 11

11:30 a.m.

11:30 to 12:

11:30 to 12:

11:30 to 12:

11:30 to 12:

2:30 to 3:45

TOWOLDMON0059233

Wyoming Grain, Feed & Seed Dealers Assn.

Don Synder, Cody (Wyo.) Feed, Inc., will be vice president for 1972, and Conrad J. Kercher, Laramie, will be secretary-treasurer.

Carrol Riggs and Harry Brown were re-elected to the board of directors. #

Oilseed Products Group Elects Officers for 1972

CAREFREE, ARIZ. — William Scherer, vice president of Baker Commodities, Inc., Los Angeles, was re-elected president of the National Institute of Oilseed Products at the organization's 38th annual meeting here.

James R. Wilkerson, Anderson, Clayton & Co., Phoenix, Ariz., was reelected vice president; William G. Davis, Kingsburg (Cal.) Cotton Oil Co., reelected second vice president, and William Stanley, Stanley Brokerage Co., San Francisco, was re-elected secretary-treasurer. #

DISTILLERS

(Continued from page 2)

Feeds and other Feed Ingredients for Swine"; Dr. N. A. Jorgensen, University of Wisconsin, "Parturient Paresis in Dairy Cattle: Prevention of 25-Hydroxycholecalciferol"; Dr. P. W. Waldroup, University of Arkansas, "The Future of Petroleum-Derived Protein Sources for Livestock," and Dr. R. G. Warner, Cornell University, "Consider the Newborn Calf — Some Thoughts for Her Comfort and Performance."

A panel discussion following the program will be moderated by Dr. E. I. Robertson, John W. Eshelman & Sons. #

PCB

(Continued from page 6)

An FDA source said that the contaminated feed apparently came from more than one mill. He mentioned a mill at Thorndike, Maine, and another at Ft. Halifax, Maine, as locations from which PCB contaminated feed had been sent to growers. The FDA source said as many as 1,500,000 broilers may be involved in the PCB incident in what appears to be the largest case yet of [illegible] resulting from PCB residues.

(Continued from page 4)

steers and sheep to determine the value of CMDCS as a feedstuff. The nutrient composition for CMDCS produced under both laboratory and commercial conditions was determined prior to feeding trials and digestibility studies.

Expressed on a dry matter basis, Ammerman said, the CMDCS produced commercially contained approximately 10.6% crude protein, 14.6% ash, 74.6% nitrogen-free extract, 0.17% either extract and no detectable crude fiber. Calcium and potassium levels were high, and considerable quantities of other minerals were present.

He also said that feeding studies indicated that CMDCS was "equal to dried citrus pulp and less valuable than corn. Diets containing either 10% CMDCS or 10% sugar cane molasses were equally well utilized by finishing steers," he said.

The organic matter of CMDCS was well digested by sheep, but "the protein was less well digested than that in a corn-soybean meal-cottonseed hull mixture," he concluded.

SOYBEAN BYPRODUCT — Dr. W. L. Ensor, of W. L. Ensor & Associates, Inc., reported on research done on condensed soybean solubles, a feed ingredient produced by washing soy flour with water and acid at a pH of 4.2 to 4.6 The protein produced is a conglomeration of peptides, amino acids and other matter. The ingredient appears to have good acceptability in the field, Ensor said. The cost is approximately 50c per ton lower than comparable ingredients.

Ensor said it appears from initial their ballots by Jan. 1, 1972, and the ballots were sent directly to our auditors, a public accounting firm. The vote, as certified by our auditors, was 41 to 19 not to support the Egg Industry Adjustment Act," the PEIA statement said.

PEIA cited the sharply divided opinions among egg producers across the nation in its statement on the act. It concluded, "The egg industry has been a long time opponent of government centralized controls. Many in industry are worried that this would be a foot-in-the-door for further government controls."

GOVERNMENT

(Continued from page 5)

in terms of their economic effects on poultry, pork and beef. Uncontrolled usage of potent drugs in animal feeds will result in unsafe residues in the food of man."

During the question-and-answer period, Bixler defended the policies of FDA. The agency is often "looked upon as being the culprit," but in fact it is working under the Food, Drug, and Cosmetic Act, Bixler told the convention. He termed the Delaney Clause of the act "stringent," but stressed that it was Congress who passed the act and the clause.

Bixler also told the Coloradans, "We're not panicking" on stilbestrol. BVM has approved the drug, the data are available to back it up, and the FDA director "has gone to bat," Bixler said.

Hitting on his theme that the feed mal drugs are valuable tools, but, without them, the beef feeding industry would exist with cheaper feeder cattle and a higher cost of gain resulting in a reduction in beef output.

Without antibiotics, the beef feeding industry probably couldn't ship cattle as far as now because of the stress factor, Turner told the Colorado meet. The lamb feeding industry would be hurt "quite a bit" without antibiotics, he said. #

YEUTTER

(Continued from page 7)

consultant will speak on managing and motivating for profit.

The convention opens at noon March 12, when exhibits will be ready. At 3:30 p.m., a special presentation for men and women features Mildred Johnson lecturing on "Are You Your Husband's Partner?"

Programming for the morning of March 14 includes a talk on product liability by attorney Mortyn Zietz, and an industry panel will cover training, inspection, compliance and engineering relating to the Occupational Safety & Health Act.

The convention features two breakfasts, two cocktail parties plus the President's Luncheon, all held within a perimeter of exhibition booths within the ballroom of the Omaha Hilton. Meetings will be held in an adjoining area. Registration details and hotel information may be obtained from Rex Parsons, Midwest Feed Manufacturers Assn., 934 Wyandotte St., Kansas City, Mo. 64105. #

INDEX OF ADVERTISERS

American Cyanamid Co. .. 26,27
Ascherman, A. H., Inc. 28

Borden Chemical 9
Boston Feed Supply 31
Burrows Equipment Co. 37

California Pellet Mill Co. 15
Chick Master Incubator Corp. 31
Columbia Quarry Co. 37

Diamond Shamrock Chemical Co. 19
Doane Agricultural Service, Inc. 21
Doane Products Company 16
Dodgen Industries, Inc. 33

Feedmobile, Inc. 15
Fox Co., The 21

Henderson Mfg. Co. 28
Hess & Clark, Inc. 22,23
Heterochemical Corp. 36
Huber, J. M. Co. 19

International Minerals & Chemical Corp. 25
International Nutrition, Inc. ... 19
Iowa Limestone Co. 18

LaBuddle Feed & Grain Co. ... 21
Landers Machine Co. 24
Lauhoff Grain Co. 16

Merrick Foods Co. 33
Milbrew Company 11
Miller Publishing Co., The 14,15,24,25

Olin, Agricultural Div. 14
Orlopp Turkey Research & Breeding Farms 20

Pfizer Inc. 12,13
Pilch DeKalb, Inc. 11
Prater Industries, Inc. 31
Procter & Gamble 17

Rapids Machinery Co. 17

Salsbury Laboratories 3
Simms, Kenneth E. 36
Simonsen Mfg. Co. 20
Sprout, Waldron & Co., Inc. 36
Sterwin Laboratories, Inc. 44

Union Special Machine Co. ... 15

Vitamin Premixers of Omaha, Inc. 16

Werger Mixer Mfg. 18
Wertz Feed Products 28

Zimmerman Equipment Co. ... 32

0561825

TOWOLDMON0059234