



Agricultural Report

Connecticut Department of Agriculture

Dannel P. Malloy, Governor; Steven K. Reviczky, Commissioner
Robert R. Pellegrino, Bureau Director



Marketing & Technology Bureau, (860) 713-2503

Linda Piotrowicz, Interim Editor
Wednesday, November 9, 2011

NOTES from the DEPARTMENT . . .

THE ANALYSIS OF PESTICIDES IN HONEY BEES AND HONEY BEE RELATED MATRIXES AT CAES

Brian D. Eitzer, Ph.D., Associate Scientist

Department of Analytical Chemistry, CT Agricultural Experiment Station

Honey bees and other pollinators are an essential part of our agricultural system, with a critical role in pollinating many fruit, vegetable, and nut crops. One-third of our food supply is linked to honey bee pollination. However, the numbers of honey bee colonies are currently in decline, as is the species diversity of native pollinators such as bumble bees.

There are numerous potential causes of this decline, including threats such as parasitic mites, diseases caused by viruses and microsporidia, and the loss of habitat. One additional threat is the widespread use of pesticides. These chemicals are widely used in both agricultural and residential settings. These chemicals are designed to protect plants from agricultural pests, but can also have chronic or acute effects on beneficial insects such as honey bees.

For the past several years, we have been collaborating in several studies that are trying to elucidate the role that pesticides may play in honey bee decline. Our principal role in these studies has been analysis of pesticides in honey bees and honey bee related matrixes with the goal of understanding the routes of exposure of these insects to these pesticides. We also analyze samples of honey bees collected by Connecticut Agricultural Experiment Station (CAES) inspectors as part of investigations into suspected honey bee poisoning incidents.

All of these analyses are conducted using an extraction procedure known as QuEChERS (for Quick, Easy, Cheap, Effective, Rugged, and Safe), followed by liquid chromatography mass spectrometry (LC/MS). In brief, the procedure extracts the matrix with solvent, cleans it up with several reagents, and then concentrates the solvent prior to the LC/MS analysis. The LC/MS system allows for unambiguous identification and quantization of the individual pesticides. These procedures allow us to determine the presence of over 140 different pesticides or pesticide metabolites at concentrations as low as several parts per billion. The actual limit of detection depends on the exact pesticide, matrix, and amount of sample available.

(continued on Page 3)

CONNECTICUT AGRICULTURE LOSES VALUED COLLEAGUE AND FRIEND



We are saddened at the passing of Jody Calabrese, a dedicated, valued colleague and friend to those of us at the Department of Agriculture and to countless others in the agricultural community. Jody died at home with his family at his side on Friday, October 28, 2011, after a long and courageous battle with brain cancer.

Jody, a University of Connecticut graduate, worked at the department for over 22 years as an agricultural marketing and inspection representative in the Bureau of Regulation and Inspection's Livestock Division. He was extremely dedicated to his work, and his genuine concern about doing the right thing for farmers gained him immeasurable respect. His optimism and smile—even during the years that he was challenged by illness—were remarkable and contagious.

He leaves his wife Lori, who supported and cared for him; their son, Zeph; and their 6-year old triplets, Jodi, Evy, and Zoë. He also leaves his grandmother, Marjorie Viets of Farmington; mother, Nancy (Muffie) Viets Calabrese of Willington; father, Tom, and stepmother, Linda Calabrese, of Tolland; Aunt Grace Ann in Vermont; Uncle Peter in East Granby; Aunt Judy in Florida; and siblings, Timothy Calabrese, Jamie Brätt, Tyler Calabrese, Amanda Shannon, Liberty Yancey, and Michael, Mark, and Audra Makuch.

At his family's request, donations in Jody's memory may be made to the Baptist Fellowship Church of Columbia, to the [American Cancer Society](#) and/or to Yale New Haven Hospital.

**WHOLESALE FRUITS
NEW ENGLAND GROWN**

	Low	High
APPLE,Cort,80ct,xfcy	23.00	24.00
APPLE,Emp,80ct,xfcy	27.00	30.00
APPLE,Fuji, bu,2-1/2	25.00	25.00
APPLE,Fuji,12/3,fcy	20.00	20.00
APPLE,Gala,100ct,fcy	19.00	19.00
APPLE,Gold Del,113,f	17.00	17.00
APPLE,Red Del,bu	14.00	17.00
APPLE,Red Del,12/3	16.00	16.00
APPLE,Mac,xfcy,80ct	28.00	28.00
APPLE,Mac,bu,2-1/2up	14.00	16.00
APPLE,Macn,100ct,xfcy	33.00	34.00
CIDER,9 1/2 gal	18.00	18.00
PEAR,Bosc,4/5bu	22.00	24.00

**NEW HOLLAND, PA, HOG AUCTION
November 7, 2011**

Hogs sold by actual weights, prices quoted by hundred weight.

49-54	220-300 lbs	67.50-69.00
	n/a	n/a
	300-350lbs	62.00-63.00
45-49	220-270lbs	62.50-63.50
Sows: US 1-3	300-500 lbs	60.00-63.00
	500-700 lbs	62.00-65.00
Boars:	300-700 lbs	33.00-34.00

**MIDDLESEX LIVESTOCK AUCTION
Middlefield, November 7, 2011**

Live animals brought the following ave. prices per cwt.

	Low	High
Bob Calves:		
45-60 lbs.	10.00	16.00
61-75 lbs.	18.00	20.00
76-90 lbs.	22.00	25.00
91-105 lbs.	30.00	35.00
106 lbs. & up	37.50	40.00
Farm Calves	55.00	81.00
Veal Calves	55.00	100.00
Open Heifers	60.00	90.00
Feeder Steers	60.00	100.00
Starter Calves	20.00	23.00
Stock Bulls	60.00	100.00
Lambs each	50.00	190.00
Goats each	58.00	160.00
Kid Goats each	40.00	65.00
Canners	up to	61.50
Cutters	62.00	66.00
Utility Grade Cows	67.00	70.00
Rabbits each	5.00	40.00
Chickens each	3.00	55.00
Ducks each	3.00	9.00
Sheep	55.00	105.00

**WHOLESALE VEGETABLES
NEW ENGLAND GROWN**

	Low	High
ALFALFA SPROUTS 5lb	11.00	12.00
ALFALFA SPROUTS 12-4oz	12.00	12.00
BEAN SPOUTS,10lb	4.50	5.00
BEAN SPROUTS,12-12oz	9.00	10.00
BROCCOLI,14ct	12.00	13.00
CABBAGE,Green,50lb	8.00	10.00
CABBAGE,Red,50lb,box	12.00	14.00
CAULIFLOWER,12ct	12.00	13.00
CHIVES,1lb,film	8.00	8.00
COLLARDS,12-16s	12.00	12.00
CRANBERRIES,24-12oz,film	32.00	36.00
LETTUCE,Boston,12/4oz	14.00	16.00
PARSNIP,18-11b	24.00	24.00
POTATOES,Russet,70ct	14.00	15.00
POTATOES,Rnd,wh,chef,50lb	14.00	14.00
POTATOES,Yel,chef,50lb	22.00	23.00
POTATOES,10lb	2.25	2.75
PUMPKIN,Pie,1-1/9bu	12.00	15.00
RUTABAGAS,Unwx,50lb	28.00	30.00
SQUASH,Acorn,1-1/9bu	13.00	15.00
SQUASH,Bttrnt,1-1/9bu,sm/md	14.00	16.00
SQUASH,Bttrcp 1-1/9bu	13.00	14.00
TOMATOES,Grnhse,25lb	18.00	18.00
TOMATOES,Grnhse vine,11lb	15.00	15.00

SHIPPED IN

	Low	High
LETTUCE, Grnlf,24,CA	15.00	18.00
LETTUCE,Romn,24,NJ	15.00	16.00
MUSHROOM,Shtk,3lb,PA	15.00	16.25
ONION,Yel,25lb,NY	6.00	7.00
PEA,Eng,bu,CA	50.00	50.00
PEPPER,Chry hot,20lb,DR	24.00	24.00
RHUBARB,Grnhse 6kg	43.00	45.00
SWEET POTATOES,40lb,SC	18.00	18.00

(Boston Terminal and wholesale grower prices)

NEW HOLLAND LIVESTOCK AUCTION

Monday, November 7, 2011

Bulk/ High/ Low Dressing

SLAUGHTER COWS:

Breakers 75-80%lean	64.00-67.00--- 71.50-76.00---60.00---63.00
Boners 80-85% lean	63.00-66.00---67.00-72.00 ---58.00-61.00
Lean 88-90% lean	58.00-60.00 --- 63.00-65.00--- 53.00-57.00

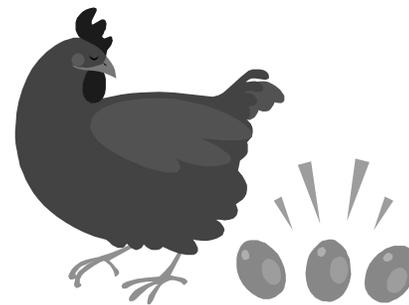
SLAUGHTER BULLS: Yield Grade 1
1350-1880 lbs -77.00-79.00

CALVES: All prices per cwt.
Holstein Bull Calves: Number 1
95-125lbs - 150.00-170.00

Holstein Heifers: Number 1
85-105 lbs 120.00—180.00

SLAUGHTER LAMBS: Non-Traditional Markets:

Wooled & Shorn Choice and Prime 2-3	40-60 lbs 227.00-235.00
	60-80 lbs 202.00-224.00
	80-90 lbs 192.00-207.00
	90-110 lbs 179.00-194.00
	110-130 lbs 181.00-196.00
	130-150 lbs N/A



**WEEKLY NEW ENGLAND
SHELL EGGS**

Prices paid per dozen. Grade A brown egg in carton delivered store door. (Range)

XTRA LARGE	188-198
LARGE	185-195
MEDIUM	126-136

**NORTHEAST EGG PRICES USDA
November 7, 2011**

Prices to retailers, sales to volume buyers, USDA Grade A and Grade A, white eggs in cartons, warehouse, centers per dozen. (Range)

EXTRA LARGE	117-134
LARGE	111-125
MEDIUM	97-110

VIRGINIA WEEKLY HAY REPORT

November 2, 2011

Hay market for Harrisonburg, VA.
All hay prices paid by dealers at the farm and per ton.

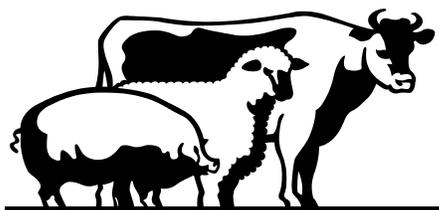
Mixed Grass	sm. square, 35-45lbs
Good	3.60-4.10 per bale
	sm. square, 35-45lbs
Orchard Grass	5.00 per bale
Good	
	sm. round
Alfalfa	20.00 per bale
Wet Wrap	

Wooled & Shorn Choice 2-3
40-60 lbs 179.00-193.00
60-80 lbs 165.00-183.00
80-90 lbs N/A
90-110lbs 165.00-176.00
110-130lbs N/A

SLAUGHTER EWES: Good 2-3: Med. Flesh
120-160 lbs 82.00 -97.00
160-200 lbs 79.00-94.00
200-300lbs N/A
Utility 1-2: Thin Flesh
120-160 lbs 66.00-81.00
160-200 lbs 60.00-68.00

SLAUGHTER GOATS: All goats are Selection 1, sold by the head, on est. weights.

Kids: 30-40 lbs N/A
40-60lbs 95.00-126.00
60-80lbs 118.00-145.00
80-90lbs 136.00-148.00
90-100lbs 156.00-164.00
100-110lbs N/A
Nannies/Does: 80-130 lbs 112.00-126.00
130-180 lbs 116.00-131.00
Bucks/Billies: 100-150lbs 145.00-160.00
150-200 lbs 173.00-180.00



ADVERTISEMENTS

The Connecticut Week Agricultural Report offers affordable classified advertisements for your farm-related needs. See Page 4 for details and rates, or contact Jane Slupecki at 860-713-2588 or Jane.Slupecki@ct.gov for more information.

FOR SALE

1-R. CT Christmas Tree Growers, CT Sheep Breeders and CT Beekeepers Associations Special Insurance Packages available through Blumenthal/Donahue Insurance Agency--Toll Free 1-800-554-8049, ddonahue01@comcast.net or www.hobbyfarmusa.com. Farm Commercial Auto Coverage now available.

2-R. Farm Insurance for all types of farming at very competitive rates. 1-800-554-8049, ddonahue01@comcast.net or www.hobbyfarmusa.com, Blumenthal/Donahue Insurance Agency. Farm Commercial Auto Coverage now available.

4-R. Gallagher electric fencing for farms, horses, deer control, gardens, & beehives. Sonpal's Power Fence 860-491-2290.

6-R. Packaging for egg sales. New egg cartons, flats, egg cases, 30 doz and 15 doz. Polinsky Farm 860-376-2227.

9-R. Rough sawn lumber, fence boards, trailer planks, tomato stakes, custom and portable sawing 203-788-2430.

130-R. Battery powered price computing scales \$328.00. Cash registers \$280.00. Repair, calibration and rental scales of all types available. 800-403-5919.

156-R. High quality Christmas Trees: Fraser-Canaan-Balsam-Nordman-Concolor-Blue Spruce-Meyer Spruce-Commercial grades available also. Hartikka Tree Farms (800)508-5099 www.treeman2.com

176-R. For Sale: Christmas greens, wreaths, roping, kissing balls, many sizes and varieties. Samples gladly shown. We deliver. 203-457-1344.

181-R. Rye Straw, clean, bright, weed free. Call 203-484-0664.

197-R. 400 plus yards composted cow manure (topsoil) \$8.00/yard. Kent Hollow area. Call after 6:00 pm. 860-355-2962.

203-R. Feeder pig for sale. 203-996-4715 or 203-457-1017.

205-R. Asphalt-Fiberglass (3 tab) shingles. 12 bundles (4 Sq) Driftwood Color, \$15/bundle. Tel 860-274-8159.

206-R. 8 foot Eby aluminum cattle body in great condition. 860-886-3943.

207-R. White porcelain butcher shop counter scale. \$75.00. Antique cow stanchions, some wood, some metal. \$15.00. 16 inch Western saddle, never used. \$160.00. 860-599-0792.

208. For Sale, Old Allis Chalmers Backhoe. Good Shape. 203-264-1185.

209. New Idea -323, 1 row corn picker \$1,000.00. Gehl 55 grinder/mixer \$500.00. Pair Goodyear tire tractor tires, 18.4/34 \$200.00. 9'snow plow for bucket loader \$200.00. John Deer #5 \$200.00. Oliver mowing machine. Land plow for Model 60 \$200.00. Snow plow 7.6 Western \$150.00. Call 860-668-2920.

MISCELLANEOUS

7-R. Farm/Land Specializing in land, farms, and all types of Real Estate. Established Broker with a lifetime of agricultural experience and 40 years of finance. Representing both Buyers and Sellers. Call Clint Charter of Wallace-Tustin Realty (860) 644-5667.

THE ANALYSIS OF PESTICIDES IN HONEY BEES AND HONEY BEE RELATED MATRIXES AT CAES

(continued from Page 1)

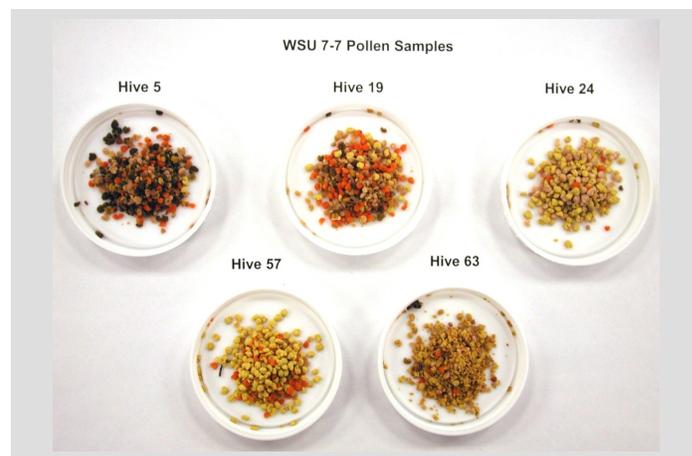
Two of the studies that we are participating in are long-term monitoring of pesticides in pollen being brought back to the hive by foraging honey bees. The first of these is a study in which we have been monitoring up to five individual hives from locations around the State of Connecticut. These hives represent urban, suburban, and agricultural locations.

The second of these is a nationwide study that is being conducted as part of an Agricultural and Food Research Initiative funded grant on "Sustainable Solutions to Problems Affecting the Health of Managed Bees." Within this large grant, honey bee researchers from seven states (Florida, Texas, Maine, Minnesota, Pennsylvania, California, and Washington) are maintaining and intensively monitoring 30 hive apiaries for many factors that affect hive health. Among the factors being monitored are mites, viruses, and pesticides.

In both of these studies, we have found that most of the pollen samples contain pesticide residues, with four to five different pesticides being observed in a typical sample. These have included insecticides, fungicides, herbicides, and pesticidal chemicals used by beekeepers to control mites. The exact pesticides found and the concentration of pesticides observed, however, are highly variable.

As might be expected, the time of year the sample was obtained and hives from different locations show different pesticide levels, but even hives from the same apiary and date can have differing concentrations of pesticides. One reason for this is that although the hives are located in the same area, the honey bees forage over a several mile radius, and thus the different hives will be accumulating pollen from different areas where different pesticides are used.

These differences can be visualized in the photo below, which shows pollen collected from five hives at a single apiary on a single day. Even within each individual hive there are pollen pellets of differing colors, indicating differing plants from which the pollen was gathered and as might be expected and different levels of pesticide use on those different plants.



These studies and others in which we are collaborating are helping us to get a better understanding of the risks posed by pesticides to honey bees and other pollinators. Hopefully, as these risks are identified we will be able to develop management strategies to reduce the risks, and, protect these pollinators helping to insure the ability to produce the crops needed to feed our society.

News and events from local agricultural organizations are published on a first-come, first-served basis as space allows. Submit concise summaries (150 words maximum) to linda.piotrowicz@ct.gov for consideration. There is no guarantee that submissions will be published.

IMPORTANT CHANGES TO CONNECTICUT WEEKLY AGRICULTURAL REPORT SUBSCRIPTIONS

The Connecticut Weekly Agricultural Report is making some important changes to its subscription/renewal process.

The renewal period for the print version will run for two years instead of one. The two-year cycle will begin January 1, 2012, and continue through December 31, 2013. The subscription rate for this two-year cycle will be \$40. This represents NO INCREASE in the current annual rate; it is simply an extension of the same rate over two full years instead of one.

Current print subscribers will receive a renewal subscription card in the mail within the next few weeks and will have until January 1, 2012, to return it with their \$40 payment. Anyone not currently subscribed who would like to receive the print version of the report can send their name and mailing address, along with us a check for \$40 payable to the CT Department of Agriculture, to Ron Olsen, Ag Report Subscriptions, CT Department of Agriculture, 165 Capitol Ave. Room 129, Hartford, CT 06106.

The Connecticut Weekly Agricultural Report is also available for FREE by email in PDF format. Email subscribers receive the report by the issue date (usual the day before) and do not need to renew. Email subscribers remain on the distribution list as long as the email address is valid, and may unsubscribe by sending an email request. To receive the report via email, current print subscribers can simply check this option on the renewal form and return it, or, for those not currently subscribed, send an email to Ronald.Olsen@ct.gov requesting the report.

These changes are intended to streamline the renewal process and deliver your Connecticut Weekly Agricultural Report more efficiently. If you have any questions, please contact Subscription Manager Ron Olsen at 860-713-2550 or Ronald.Olsen@ct.gov.

Thank you for your continued patronage to the report.

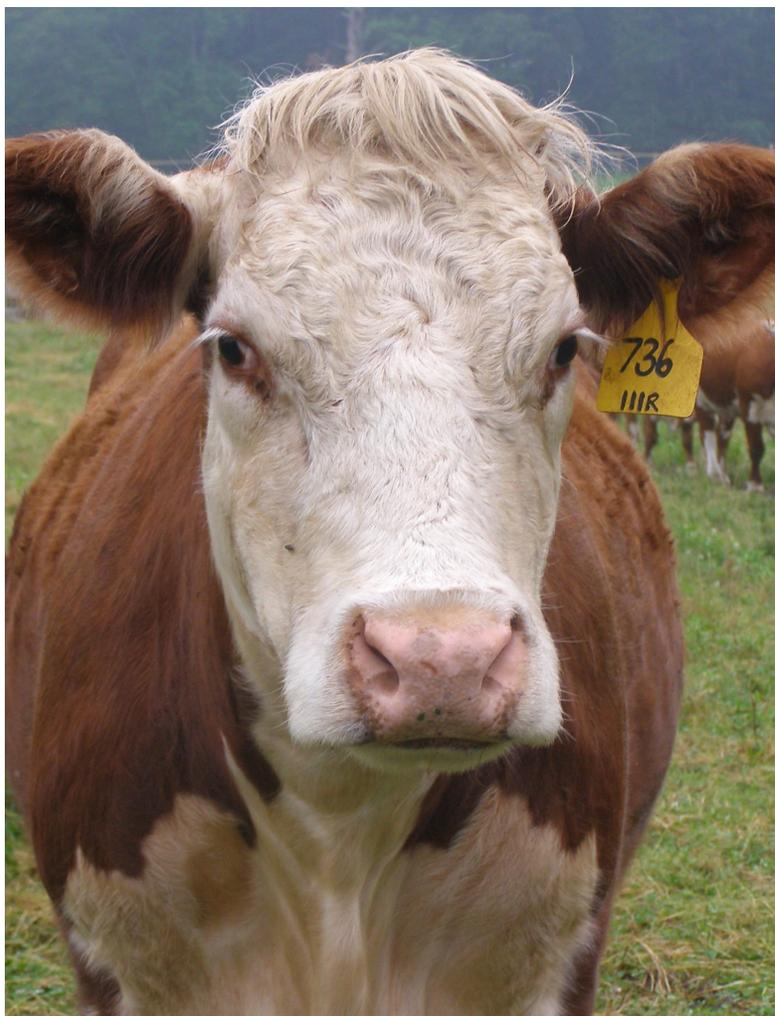
FREE SPECIALTY CROP BLOCK GRANT WEBINAR OFFERED ON DEC 15

“Grant Opportunity: Enhancing the Competitiveness of Specialty Crops” will be held on Thursday, December 15, 2011, at 2:00 pm Eastern Time.

Trista Etzig, Specialty Crop Block Grant Program manager for USDA’s AMS Fruit and Vegetable Programs, will introduce you to the Specialty Crop Block Grant Program. She’ll share information on how you can apply for grant funds to enhance the competitiveness of specialty crops, such as fruits, vegetables, tree nuts, dried fruits, and horticulture and nursery crops, including floriculture. There will be a live question and answer session following the formal webinar presentation.

Many projects funded in the past by the Specialty Crop Block Grant Program focus on marketing and promotion, education, production, research, food safety, and pest and plant health.

Visit <http://bit.ly/v21Rfi> to register before the Dec. 9, 2011 deadline. For additional information about the Specialty Crop Block Grant Program, go to www.ams.usda.gov/scbqp or contact Trista at 202-690-4942 or trista.etzig@ams.usda.gov.



Advertising Rates: Fifteen words or less \$3.75 per insertion. For ads of more than 15 words, 25 cents per word per insertion. Initial letters, hyphenated words, phone numbers, and addresses, etc., are counted separately. Print or type copy. Publication on a specific date cannot be guaranteed. Advertisements will be published on a first-come, first-served basis. Ads must be received by noon the Friday before a publication date to be considered for insertion. Only ads of an agricultural nature with a Connecticut phone number will be accepted. Remittance with copy required. Make check or money order payable to the Connecticut Department of Agriculture.

CONNECTICUT DEPARTMENT OF AGRICULTURE

Commissioner	Steven K. Reviczky 860-713-2500
Marketing & Technology	Robert Pellegrino 860-713-2503
Regional Market	Robert Pellegrino 860-566-3699
State Veterinarian	Dr. Mary J. Lis 860-713-2505
Regulation & Inspection	Dr. Bruce Sherman 860-713-2504
Farmland Preservation	Joseph Dippel 860-713-2511
Aquaculture	David Carey 203-874-2855
FAX NUMBERS	860-713-2516 860-713-2514

Email: Linda.Piotrowicz@ct.gov
Internet: www.CT.gov/doag

Connecticut Weekly Agricultural Report (ISSN: 1059-8723, USPS 129-340) is published weekly, except for Thanksgiving, Christmas, the last week of June, one week in September, and when the Governor closes state offices, for \$20.00 per year by the Connecticut Department of Agriculture, 165 Capitol Avenue, Hartford, CT 06106. Periodicals postage paid at Hartford, CT. **POSTMASTER:** Send address changes to the Connecticut Department of Agriculture, 165 Capitol Avenue, Hartford, CT 06106. **Subscriptions expire annually on NOVEMBER 30.**

VOL. XCI
No. 43
Nov. 9, 2011