

INDEX

Vermont Almanac editors have contributed some stories that are not cited. Those stories are included in this index by subject matter but not by the author's name. Artwork and illustrations are noted with the page number in italics.

A

Abramovich, Chad, 216–218
 Acciavatti, Michelle, 192–194
 Adams, Eleanor Trowbridge, 89
 Adams Apple Orchard & Farm Market (Williston), 180–181
 Aebi, Tania, 74–77
 African cuisine, 213–215
 Albright, Heidi, 86–89
 alliums, 96–97
 Amsden, Joyce, 115
 Andrus, Erik, 210–212
 animal trapping culture, 70
 anise hyssop (*Agastache foeniculum*), 185
 apple cider, 21
 asbestos mine, Belvidere Mountain, 148–151
 asters (flower), 18
 asynchrony, phenological, 66–67
 Ateliers Desmonts, 32–35

B

balsam fir (*Abies balsamea*), 51
 Baltimore checkerspot butterflies, 232–233
 Bancroft, Betzy, 20
 Barlow, Virginia, 44, 66, 182, 204, 239, 270
Barnet (steamboat), 22–23
 barns
 Carpenters Without Borders, 32–35
 Goosewing Timberworks, 32–35
 Green Mountain Timber Frames, 28–31
 historical styles, 23–27, 28–31
 Larson, Luke, 28–31
 McKeen, Dan, 28–31
 Preservation Trust of Vermont, 23–27
 restoration methods, 28–31, 32–35
 Vermont Division for Historic Preservation, 23–27
 basswood tree flowers, 239
 bear blood, medical research of, 66
 bears, 239
 Beaver Cheesesteak (recipe), 71
 Beckett, Sean, 250–251
 beech leaf disease, 238
 bees
 blueberry pollination, 204
 buzz pollination, 204
 lawn diversification, 46
 spring beauty mining bees, 182
 winterizing beehives, 44
Belden Hill: June Inventory (poem), 201
 Belvidere Mountain, asbestos mine, 148–151
 Bennington philanthropy, 272
 Berolzheimer, Alan, 91

Bird Banding Laboratory (USGS), 19
 bitternut hickory galls, 160
 Blake, Leo (artist), 103
Blue and Gold (painting), 14
 blueberry pollination, 204
 boats, historical use, 22–23
 botanical variation, human impact on, 148–151
 Boundbrook Farm (Vergennes), 210–212
 Brown, Ebenezer, 91
 Brown, Jane, 22–23
 Brunswick Springs, The, 216–218
 Budbill, David, 124–129
 bur cucumber (*Sicyos angulatus*), 271
 burial methods
 green burial, 178–179
 natural burial cemetery, 192–194
 natural organic reduction burial, 190–191
 Vermont Forest Cemetery (Roxbury), 192–194
 butterflies, Baltimore checkerspot, 232–233

C

Canadian forest fires, 202–203
 cannabis
 Cannabis Control Board, 276–279, 280–281
 Ceres Collaborative, 279
 economic effects, 279
 etymology, 277
 growing your own, 274–275
 hemp fiber industry, 282–284, 285
 Hillside Botanicals (Randolph), 280–281
 organic certification effects, 280–281
 trichomes, 270
 UVM Extension research (hemp), 282–284
 Vermont legalization, 276–279
 Zenbarn Farms (Waterbury Center), 278
 canning jars, 272, 273
 Carpenters Without Borders, 32–35
 cemeteries. *see* burial methods
 Ceres Collaborative, 279
 chamomile
 German chamomile (*Matricaria chamomilla*), 185
 Roman chamomile (*Chamaemelum nobile*), 185
 chanterelle mushrooms, 240
 chipmunk winter feeding, 44
 Christmas trees
 D'Aiello's Christmas Tree Farm (Canaan), 52–55
 farming, 50, 51, 52–55
 LeBlanc, Peter, 56–58
 Nature...By Design (wreaths), 56–58

New Hampshire-Vermont Christmas Tree Association, 50
 types of, 51
 wreath-making, 56–58
 cider, apple, 21
 Citizen Cider, 208–210
 Civil War history, Vermont Brigade, 188–189
 Clair-A-Den Farm (East Hardwick), 116–119
 Clark, Lucy, 208–210, 210–212
 climate change. *see* July storm flooding; weather observations
 Cocklebur (*Xanthium strumarium*), 94
 Cohen, Phoebe A., 146–147
 community resilience, 64–65
 Connecticut River navigation, 22–23
Continuity (reflections), 246–247
 Coolidge, Calvin, U.S. President, 254–255
 corn crops
 The Corn Mother (Abenaki culture), 260–261
 cornmeal production, 252–253
 DeWolfe, Kerry, 252–253
 genetically modified, 256–257
 Gross, Fritz, 252–253
 lineage, 256–257
 modern practices, 256–257
 Northern Flints, 258
 Nothstine Dent (*Zea mays*) corn, 252–253
 The Organic Grain Grower (Lazor), 256–257
 Polenta (recipe), 252–253
 silage production, 259
 Tooley, Dave (Corn King), 262–263
 UVM Extension research, 258
 Covid infection rates, deer population, 45
 crafting, paper snowdrop flowers, 142–143
 cranberry farming, 208–210
 Creamed Leek Tops (recipe), 97
 crops, diverse products, 210–212
 cucumber, bur (*Sicyos angulatus*), 271
 Currie, Janet, 285

D

D'Aiello's Christmas Tree Farm (Canaan), 52–55
 dairy farms
 Clair-A-Den Farm (East Hardwick), 116–119
 ice cream operations, 116–119
 Kingdom Creamery (East Hardwick), 116–119
 raw milk sourcing, 114, 120–123
 Woodard family farm (Waterbury Center), 120–123
 yogurt operations, 116–119
 Darby, Heather, 258
Dear Day in Late September (poem), 268

deer

banned hunting, 1876–1880, 48
 breeding cycles, 49
 Covid infection rates, 45
 decimated population, 1876–1880, 48
 hunting season reflections, 41
 hunting season weather, 42–43
 moon phase hunting, 49
 Vermont Biggest Buck Club
 (Facebook page), 41
 Devoto, Stephen H., 178–179
 DeWolfe, Kerry, 252–253
 Dorney, Jane, 259
 Drislane, Bill, 15, 228
 Durling, Megan, 21
 Dutch Hill (Heartwellville), 81

E

East Burke School, 21
 Ebner, Liam, 45
Edgerton's Mill (painting), 200
 egg sizing, 115
 Enchanter's Nightshade (*Circaea alpina*), 94
Ephemerals (reflections), 156–157
 essays. *see* reflections
 Evening Primrose (*Oenothera biennis*), 93

F

falcon, peregrine, 19
Farm Boy, The (movie), 120–123
 farming, diverse products, 210–212
Faust (Goethe), 69
February (reflections), 108–109
 Felch, Amanda Colburn Farnham, 188–189
 fern, Green Mountain maidenhair, 150
 Finn, Melanie, 108–109
 Fire Cider (recipe), 20
 flatboats, 22–23
 flooding, July storm. *see* July storm flooding
 floodplain forests, 250–251
 food production, ready to eat, 213–215
 forest botanicals, growing, 46
 forest fires, Canadian, 202–203
 fossil, olenellid trilobite, 18
 Fraser fir (*Abies fraseri*), 51
 Frittata (recipe), 163
 Funk, Bill, 273

G

gall fly, goldenrod (*Eurosta solidagnis*), 113
 garden crops, interplanting, 206
 garden soil, compacted, 184
 garlic family aromatics, 96–97
 geological anomaly, 216–218
 geological formation, Vermont, 146–147
 giant water bug (*Lethocerus americanus*), 161
 Gladstar, Rosemary, 20
 Global Historical Climatological Network Daily
 database, 17
 Global Village Foods (Quechee), 213–215
 globe making, world, 98–99

Go Botany website, Native Plant Trust, 161
 Goethe, Johann Wolfgang von, 69
 Golden Chanterelle Mushrooms in a Pesto
 Cream Sauce with Chicken, Tomatoes, and
 Artichoke Hearts over Fettuccine (recipe),
 240
 Goldenrod, 93, 113
 goldenrod galls, 160
 Goosewing Timberworks, 32–35
Green Burial (reflections), 178–179
 Green Mountain maidenhair fern, 150
 Green Mountain Timber Frames, 28–31
 Greensboro Bend history, 170–173
 Gross, Fritz, 252–253
 Guilford schoolhouse stories, 1950, 166–169

H

Hall, Mel and Damaris, 213–215
 Hardie, Laura, 120–122, 213–215
 Haskins, Harold Webb, 98–99
*Hearts and Hands—A Tribute to Health Care
 Workers* (sculpture), 241
 hemp fiber industry, 282–284, 285
 Hillside Botanicals (Randolph), 280–281
 Holland, Mary, 44, 160, 183, 271
 Hook, Shirley, 164–165
 Horst, Jim, 50
 Hubbell, Seth, 124–129
 human composting burial, 190–191
 Hunt, Craig, 19

I

ice cream operations, 116–119
Ice Pond (reflections), 134–135
 ink pigments, 222–223
 interplanting garden crops, 206
 Isselhardt, Mark, 138, 140–141, 141, 144–145

J

Jackson, Beatrice (artist), 200
 Jacobsen, Rowan, 156–157
 Jordan, Phillip R., 68
 Joslin, Steve, 72–73
 journaling, naturalist, 160
Judevine, 124–129
 July storm flooding
 agricultural catastrophe, 226–227
 Baltimore checkerspot butterflies, 232–233
 Bear Pond Books, 232–233
 The Book Garden, 232–233
 Kellogg-Hubbard Library, 232–233
 Lamoille Valley Rail Trail, 234
 Middlesex, 229
 Montpelier, 230–231, 232–233
 precipitation, extreme patterns, 224–225
The Rain Lifted (poem), 228
 recovery and hope, 232–233
 trout habitat, 238
 Vermont Agency of Agriculture dashboard,
 227
Just That Much (reflections), 86–89

K

ketone, 3-octanone, 239
 Kingdom Creamery (East Hardwick), 116–119
 Kinsey, Natalie, 188–189
 Knepper, Andrea, 185
 Kolb, Kathleen, *front cover*
 Koren, Edward (cartoonist), 162

L

Ladd, Paul Revere, Jr., 166–169, 206
 Lamoille Valley Rail Trail, 234
 Lamy, Philip, 276–279
 Larson, Luke, 28–31
 lawn diversification, 46
 Lazor, Jack (author), 256–257
 Lea, Sydney, 246–247
 lemon thyme (*Thymus citriodorus*), 185
 Lent, Jeffrey, 235–237
 Lesnikoski, Robert, 208–210
Life Rafts (reflections), 186–187
 Lightning Fruit Jars, 272
 Lillie, John (artist), 14
 logging conditions, 100–102
Logging With Oxen (painting), 103
 Loomis Hill Botanicals, 120–123
 Lovelette, Lisa, 195
 Lowe, Jim (film critic), 123
 Luskin, Deborah Lee, 48
 Lyman Orton Collection of the Art of Vermont,
 The, 14, 40, 103, 200
 Lyons, Charlotte, 142–143

M

Mad River Glen (Waitsfield), 72–73
 Mance, Dave, III, 49, 70, 136–137, 138, 183,
 186–187, 254–255, 272
 Maple Baked Custard (recipe), 115
 marijuana. *see* cannabis
 McCadden, Kerrin, 268
 McFarland, Kent, 139
 McKeen, Dan, 28–31
 medical research of bear blood, 66
 Mephisto (Goethe's *Faust*), 69
 Merriman, Sarah Strohmeier, 229
 milk, raw, sourcing, 114, 120–123
 Milkweed (*Asclepias syriaca*), 93
 mineral springs, 216–218
 mosquito count, 205
 Murphy, Emily, 18
 mushrooms
 chanterelle, 240
 morels, 183
 oyster, 239

N

Native American sacred ground, 216–218
 Native Plant Trust, Go Botany website, 161
 natural burial cemetery, 192–194
 natural organic reduction burial, 190–191
 naturalist journaling, 160

Nature...By Design (wreaths), 56–58
 navigation, Connecticut River, 22–23
 New Hampshire–Vermont Christmas Tree Association, 50
 Northeast Forest Farmers Coalition, 46
 Northeast Slopes (Corinth), 74–77
 Norwich University Ski Area (Northfield), 80
 Nothstine Dent (*Zea mays*) corn, 252–253
 Notre Dame Cathedral restoration, 32–35
November (reflections), 41

O

olenellid trilobite fossil, 18
 onion family aromatics, 96–97
 opossum, Virginia (*Didelphis virginiana*), 183
 Orton, Lyman. *see* Lyman Orton Collection of the Art of Vermont, The
 osprey copulation, 160
 owl, great-horned, 139
 oxymel (honey & vinegar mixture), 20
 oyster mushrooms, 239

P

Page, Margot, 134–135
 paper craft, snowdrop flowers, 142–143
 Pappas, Steven M., 64–65
 Partridge, Carolyn W., 190–191
 Pavo del Monte (recipe), 186–187
 Pea Shoot Salad (recipe), 207
 peregrine falcon, 19
 Pfeiffer, Bryan, 232–233
 phenological asynchrony, 66–67
 Piepmeier, Olivia, 47, 163, 207
Pigments (reflections), 222–223
 pigments, ink, 222–223
 plant population levels, 205
 plate tectonics, Vermont, 146–147
 poems
 Belden Hill: June Inventory, 201
 Dear Day in Late September, 268
 The Rain Lifted, 228
 Silences, 89
 The Yellow Leaf, 15
 poison ivy, common (*Toxicodendron radicans*), 94
 poison ivy, western (*Toxicodendron rydbergii*), 94
 Polenta (recipe), 253
 pollination, 18
 pollinators. *see* bees
 Popp, Bob, 45
 Porche, Verandah, 166–169, 201
 potato beetle tale, 206
Preamble (reflections), 11
 precipitation. *see* July storm flooding; weather observations
 Prentiss, Sean, 62–63
 Preservation Trust of Vermont, 27
 Proctor Maple Research Center, 140–141
 pulpwood markets, 102
 Purple Crowberry (alpine plant), 45
 purple-stemmed angelica (*Angelica atropurpurea*), 205
 Putnam, Henry W., 272

Q

Queen Anne's Lace (*Daucus carota*), 92

R

radish, tillage, 184
 railroad development, rural town, 170–173
 rain. *see* July storm flooding; weather observations
 raw milk sourcing, 114, 120–123
 Reade, Maria Buteux, 96–97
 Rebop Farm (Brattleboro), 114
 recipes
 Beaver Cheesesteak, 71
 Creamed Leek Tops, 97
 Fire Cider, 20
 Frittata, 163
 Golden Chanterelle Mushrooms in a Pesto Cream Sauce with Chicken, Tomatoes, and Artichoke Hearts over Fettuccine, 240
 Maple Baked Custard, 115
 Pavo del Monte, 186–187
 Pea Shoot Salad, 207
 Polenta, 253
 Squash Toast, 47
 red oak frost effect, 251
 reflections (essays), 11, 41, 62–63, 86–89, 108–109, 134–135, 156–157, 164–165, 178–179, 186–187, 222–223, 246–247, 268
 rice farming, 210–212
 River navigation, Connecticut, 22–23
 rural life, 11, 68

S

Saganash, Alan, 202–203
 Sample, Paul Starett (artist), 40
 Sandberg, Louise Mulier, 178–179
 Sardonis, Jim, 241
 Sawyer, Chelsea Clarke, 66–67
 Schade, Jody, 56–58
 schoolhouse stories, 1950, Guilford, 166–169
 Shaw, Sarah A., 280–281
 Sheep Laurel (*Kalmia angustifolia*), 95
Silences (poem), 89
 Simpson, Mary (monthly paintings), 12, 38, 60, 84, 106, 132, 154, 176, 198, 220, 244, 266
 skiing
 Dutch Hill (Heartwellville), 81
 lost ski areas, 78–81
 Mad River Glen (Waitsfield), 72–73
 Northeast Slopes (Corinth), 74–77
 Norwich University Ski Area (Northfield), 80
 Underhill Ski Bowl (Underhill Center), 79
 Vermont Ski and Snowboard Museum (Stowe), 78–81
 Wildwood Valley Ski Area (Morgan Center), 78
 skunk oil, striped, 139
 slug reproduction, 204
 snakeroot (*Ageratina altissima*), 205
 snapping turtle eggs, 271

snowdrop flowers, paper craft, 142–143
 snowflake formation, 112
 snowliage, 16
 snowshoe hare (*Lepus americanus*), 66–67
 soil, compacted garden, 184
 spring beauty flower (*Claytonia caroliniana*), 182
 spring beauty mining bees, 182
 Squash Toast (recipe), 47
 Staats, Will, 70
 Stableford, Jonathan, 41
 Stanciu, Brett Ann, 148–151, 170–173
 steamboats, 22–23
 Stevens, Don, Chief, 260–261
 stevia (*Stevia rebaudiana*), 185
 stovepipe maintenance, 68
 strawberries, regeneration, 241
 sugarmaking
 branch wounds, 138
 consistent temperatures, 136–137
 early season, 110–111
 maple season review, 144–145
 Proctor Maple Research Center, 140–141
 tap methods, 138
 tree tap, how to, 140–141
 van den Berg, Abby, 140
 Vermont Maple Career Development Event, 141
 xylem, sugar maple sap flow, 138
 Sullivan, Laura, 282–284
 sunflower transposons, 250
 Sutkoski, Matt, 16
 Sweetland Farm (Norwich), 180–181

T

taxonomy, recent changes, 161
 tea herbs, 185
The Corn Mother (Abenaki culture), 260–261
The Farm Boy (movie), 120–123
The Magic Shoes (reflections), 164–165
The Narrative of Seth Hubbell, 124–129
The New Yorker, cartoons, 162
The Organic Grain Grower (Lazor), 256–257
The Rain Lifted (poem), 228
The Trophy (painting), 40
The Yellow Leaf (poem), 15
 Thompson, Allan, 100–102
 Thompson, Liz, 92–95, 112, 113
 thyme, lemon (*Thymus citriodorus*), 185
 tillage radish, 184
 timber frame methods, 28–31, 32–35
 timber pricing trends, 100–102
 Tooley, Dave (Corn King), 262–263
 transposons, sunflower, 250
 trapping culture, animal, 70
 trees
 basswood flowers, 239
 defoliation impacts, 180–181
 lifespan relativity, 67
 planting depth, 185
 pulpwood markets, 102
 red oak frost effect, 251

super bloom, 182
 tree root systems, 205
see also Christmas trees; sugarmaking
 trichomes, cannabis, 270
 trout fishing, 158–159, 238
 tulsi (*Ocimum tenuiflorum*), 185
 turkey
 crop contents, 183
 hunting reflections, 186–187
 Pavo del Monte (recipe), 187
 turtle eggs, snapping, 271

U

Underhill Ski Bowl (Underhill Center), 79
 USGS Bird Banding Laboratory, 19
 UVM Extension research, 258, 282–284

V

Vair, Ian (Chef), 240
 van den Berg, Abby, 140
 Vermont Asbestos Group, 148–151
 Vermont Biggest Buck Club (Facebook page), 41
 Vermont Brigade Civil War history, 188–189
 Vermont Cannabis Control Board, 276–279, 280–281
 Vermont Cranberry Company (East Fairfield), 208–210
 Vermont Division for Historic Preservation, 27
 Vermont Fish and Wildlife, 45
 Vermont Forest Cemetery (Roxbury), 192–194
 Vermont geological formation, 146–147
 Vermont iNaturalist, 19
 Vermont Maple Career Development Event, 141
 Vermont Ski and Snowboard Museum (Stowe), 78–81
 Virginia opossum (*Didelphis virginiana*), 183
 Virgin's Bower (*Clematis virginiana*), 95
 Visser, Thomas Durant, 23–27

W

Wallace-Gusakov, Will, 32–35
 Waltermire, Joan, 18
 weather observations
 150 year temperature comparison, 90–91
 Adams Apple Orchard & Farm Market (Williston), 180–181
 Berolzheimer, Alan, 91
 Brown, Ebenezer, 91
 Canadian forest fires, 202–203
 climate change tangibility, 269
 community resilience, 64–65, 269
 cooler trend, notable, 180–181
 December blizzard, 64–65
 extreme variation, 202–203
 foliage monitoring, 16–17
 fruit orchard losses, 180–181
 Global Historical Climatological Network
 Daily database, 17
 historical trends, 16–17, 90–91

ice fishing impact, 110–111
 Lake Champlain ice cover, 110–111
 March storm, 136–137
 May freeze, 180–181
 Norwich Historical Society journals, 90–91
 precipitation, extreme patterns, 224–225, 248–249
 snow deficit, 180–181
 spring blossoming, 158–159
 sugarmaking, 110–111, 136–137, 144–145, 158–159
 Sweetland Farm (Norwich), 180–181
 tree defoliation, 180–181
 trout fishing, 158–159, 238
 warming trends, 16–17, 41–42, 64–65, 90–91, 110–111, 158–159
see also July storm flooding
Weeping Willow (short fiction), 235–237
 Weitz, Jessica, 222–223
 White, Mike, 138, 161, 182, 205, 238, 271
 White, Patrick, 28–31, 52–55, 116–119
Wild Kill (reflection), 62–63
 wildflowers, winter observations, 92–95
 Wildwood Valley Ski Area (Morgan Center), 78
 Wilson, James (globe maker), 98–99
 Winter Squash, 47
 Winterberry Holly (*Ilex verticillata*), 95
 Wolcott, Vermont, 124–129
 Woodard, George, Jr., 120–123
 Woodard, Suzanne, 120–123
 woodstove maintenance, 68
 wreath-making, Christmas, 56–58

X

xylem, sugar maple sap flow, 138

Y

yellow jacket nests, 18
 yogurt operations, 116–119

Z

Zenbarn Farms (Waterbury Center), 278

SPONSOR INDEX

Casella's Waste Systems, 196–197
 Cedar Circle Farm & Education Center, 131
 Champlain Valley Equipment, 242
 Charlie's Coffee House, 219
 Co-operative Insurance Companies, 287
 Copeland Furniture, 105
 East Burke School, 242
 Goosewing Timberworks, 175
 JK Adams, 82
 Lodge at Taconic Ridge, 264
 Mance Maple, 174
 Meadows Bee Farm, 287
 North Branch Nature Center, 37
 North Country Organics, 104
 Onion River Press, 286
 Phoenix Bookstores, 286
 Preservation Trust of Vermont, 36
 Salvation Farms, 131
 Social House Restaurant, 219
 Sterling College, 37
 Stillwater Forestry, 82
 Union Underground GastroPub, 219
 Vermont Agriculture Department, 130
 Vermont Compost Company, 83
 Vermont Coverts, 36
 Vermont Evaporator, 153
 Vermont Fish & Wildlife Department, 59
 Vermont Maple Sugar Makers Association, 152
 Vermont Public, 243
 Vermont Renewable Fuels, 265
 Vermont Woodlands Association, 104
 Willing Hands, 130

We're immensely grateful to the above sponsors who help make this work happen.

Thanks to the **Jack & Dorothy Byrne Foundation** and the **Vermont Arts Council** for their supporting grants.

Thanks, too, to the hundreds of people who have donated to the cause. Your generosity makes Vermont Almanac possible.