

# TOPIC INDEX

## Accessories

- Meet the Maker: John Greven . . . . . Mike Doolin, John Greven . . . . . 116  
Product Review: Fossil-Ivory Bridge Pins . . . . . Harry Fleishman . . . . . 505

## Banjo

- Meet the Maker: George Wunderlich . . . . . Nathan Stinnette, George Wunderlich . . . . . 24  
Resurrecting the Family Banjo . . . . . John Calkin . . . . . 412

## Bass, electric

- A Lightweight Electric Bass . . . . . R.M. Mottola . . . . . 220  
Meet the Maker: Jay Hargreaves . . . . . Todd Rose, Jay Hargreaves . . . . . 380

## Bass, flattop

- Plywood . . . . . R.M. Mottola . . . . . 20  
Meet the Maker: Jay Hargreaves . . . . . Todd Rose, Jay Hargreaves . . . . . 380

## Bass viol

- Questions: Upright Bass . . . . . James Condino, Randy DeBey . . . . . 233  
A Savart-Style Upright Bass . . . . . R.M. Mottola . . . . . 248  
Savart-Style Upright Bass Plan . . . . . R.M. Mottola . . . . . 253  
Review: *The Setup and Repair of the Double Bass* by Chuck Traeger . . . . . James Condino . . . . . 534

## Bending

- Questions: Bending Bubinga . . . . . Frank Fuller . . . . . 13  
Questions: Bending Bubinga . . . . . John Calkin . . . . . 35  
Get Bent! A Versatile Shopmade Side Bender . . . . . Mike Doolin . . . . . 70  
Two-Step Cutaway Bending . . . . . John Calkin . . . . . 226  
An Enhancement to the Outside Mold . . . . . R.M. Mottola . . . . . 234  
Hands-On Archtop Mandolin Making . . . . . Peggy Stuart, Don MacRostie . . . . . 416  
Questions: Bending African Blackwood . . . . . Cyndy Burton, Jeffrey R. Elliott . . . . . 469  
It Worked for Me: Accidental Wood Bends . . . . . Brian Yarosh . . . . . 500

## Binding

- Dedicated Binding and Purfling Routers . . . . . Mike Doolin . . . . . 108  
Charles Fox's Superglue Binding Method . . . . . Tom Harper, Charles Fox . . . . . 128  
Hands-On Archtop Mandolin Making . . . . . Peggy Stuart, Don MacRostie . . . . . 416  
It Worked for Me: Planing Jig . . . . . Peter Giolitto . . . . . 488  
It Worked for Me: Archtop Binding Channels . . . . . Eric Foulke . . . . . 489  
It Worked for Me: Modifying Trim Router . . . . . Mark Brantley . . . . . 493  
Review: *Shoptalk 6* . . . . . John Calkin . . . . . 523

## Bracing

- An Authentic Hurdy-Gurdy . . . . . Wilfried Ulrich . . . . . 162  
Teaching the Dream to Sing . . . . . Fred Carlson . . . . . 320  
Meet the Maker: Jay Hargreaves . . . . . Todd Rose, Jay Hargreaves . . . . . 380  
Hands-On Archtop Mandolin Making . . . . . Peggy Stuart, Don MacRostie . . . . . 416

## Bracing, classical

- Meet the Maker: Dake Traphagen . . . . . Jonathon Peterson, Dake Traphagen . . . . . 76  
Questions: Linings and Corner Blocks . . . . . Greg Miller, Eugene Clark . . . . . 103  
Questions: Linings and Corner Blocks . . . . . Charles Fox, Greg Byers . . . . . 107  
Questions: Linings and Corner Blocks . . . . . Gernot Wagner . . . . . 109  
Restoring Tárrega's 1888 Torres . . . . . Jeffrey R. Elliott . . . . . 364

## Bracing, flattop

What Happens If I Make It Bigger? . . . . .	Jon Sevy . . . . .	14
Questions: Linings and Corner Blocks . . . . .	John Greven . . . . .	103
Making Bridge Plates . . . . .	John Calkin . . . . .	104
Questions: Linings and Corner Blocks . . . . .	Charles Fox . . . . .	107
Is “Guitar Design” an Oxymoron? . . . . .	Steve Klein . . . . .	110
Questions: John Greven’s X Brace . . . . .	John Greven . . . . .	268
Structuring Acoustics with Carbon Fiber . . . . .	Steve Kauffman . . . . .	274
Product Review: Stew-Mac Shaped Braces . . . . .	John Calkin . . . . .	512
Review: <i>Shoptalk 6</i> . . . . .	John Calkin . . . . .	523

## Bridge

A Lightweight Electric Bass . . . . .	R.M. Mottola . . . . .	220
Building an Adjustable Bridge . . . . .	Thomas C. DeVeau . . . . .	300
It Worked for Me: Foam Bracing Caul . . . . .	Michael Turko . . . . .	497
Product Review: Fossil-Ivory Bridge Pins . . . . .	Harry Fleishman . . . . .	505

## Bridge, guitar

Bridge Positioning Fixture . . . . .	Pete Barthell . . . . .	34
Questions: Glued vs. Floating Bridge . . . . .	R.M. Mottola . . . . .	73
Eight Concerns of Highly Successful Guitar Makers . . . . .	R.E. Bruné . . . . .	206
Bridge Shaping and Routing Jig . . . . .	Paul Woolson . . . . .	224
Building an Adjustable Bridge . . . . .	Thomas C. DeVeau . . . . .	300
Adjustable Saddles for Acoustic Guitars . . . . .	Brian Yarosh . . . . .	336
It Worked for Me: Lining Bridge Pin Holes . . . . .	David Riggs . . . . .	495
It Worked for Me: Replacing Bridge Plates in Dreadnoughts . . . . .	Keith Davis . . . . .	496
It Worked for Me: Foam Bracing Caul . . . . .	Michael Turko . . . . .	497
Review: <i>Shoptalk 6</i> . . . . .	John Calkin . . . . .	523

## Business

Meet the Maker: Steve Grimes . . . . .	Jonathon Peterson, Steve Grimes . . . . .	48
Is “Guitar Design” an Oxymoron? . . . . .	Steve Klein . . . . .	110
Meet the Maker: John Greven . . . . .	Mike Doolin, John Greven . . . . .	116
Meet the Makers: Sue and Ray Mooers of Dusty Strings . . . . .	Jonathon Peterson, Ray and Sue Mooers . . . . .	142
Questions: Digital Photography . . . . .	Byron Will . . . . .	235
Meet the Maker: Frank Ford . . . . .	Jonathon Peterson, Frank Ford . . . . .	236
Meet the Dealer: Armin Kelly . . . . .	Cyndy Burton, Armin Kelly . . . . .	254
Questions: Clark Harp Value . . . . .	Howard Bryan . . . . .	268
Meet the Maker: Bob Jones . . . . .	Bruce Calder, Bob Jones . . . . .	306
The Cole Clark Guitar . . . . .	Bradley Clark, Michael Finnerty . . . . .	358

## Business, ethics

Shifting Gears on a Gretsch . . . . .	John Calkin . . . . .	156
Questions: Dished Soundboard . . . . .	R.E. Bruné . . . . .	349
Restoring Tárrega’s 1888 Torres . . . . .	Jeffrey R. Elliott . . . . .	364
Resurrecting the Family Banjo . . . . .	John Calkin . . . . .	412

## Cases

Product Review: Soft Cases . . . . .	R.M. Mottola . . . . .	503
--------------------------------------	------------------------	-----

## Computers

Meet the Maker: Kathy Matsushita . . . . .	Cyndy Burton, Kathy Matsushita . . . . .	8
Questions: Custom CNC Orders . . . . .	Dana Bourgeois . . . . .	33
Meet the Maker: John Greven . . . . .	Mike Doolin, John Greven . . . . .	116
Desktop CNC Machines . . . . .	R.M. Mottola . . . . .	169
Meet the Maker: Frank Ford . . . . .	Jonathon Peterson, Frank Ford . . . . .	236
Experiments in Audio Spectroscopy . . . . .	John C. Moore . . . . .	260
The Cole Clark Guitar . . . . .	Bradley Clark, Michael Finnerty . . . . .	358
Rib Depth of Guitars with Spherically Domed Plates . . . . .	R.M. Mottola . . . . .	386
Questions: Typical Instrument Dimensions . . . . .	R.M. Mottola . . . . .	473
Questions: Online Machining Service . . . . .	Scott Marckx . . . . .	479

## Construction, step-by-step

Charles Fox's Superglue Binding Method . . . . .	Tom Harper, Charles Fox . . . . .	128
Making an Access Panel . . . . .	Chris Jenkins, Larry Mills. . . . .	132
Neck Template Duplicating Carver . . . . .	Peter Hurney . . . . .	186
Rebuilding a Rebuilt Headstock. . . . .	Frank Ford . . . . .	245
A Savart-Style Upright Bass . . . . .	R.M. Mottola . . . . .	248
Adjustable Saddles for Acoustic Guitars. . . . .	Brian Yarosh . . . . .	336
19th-Century Rosette Marquetry for 21st-Century Guitars. . . . .	Greg Byers . . . . .	392
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416

## Dulcimer, hammered

Meet the Makers: Sue and Ray Mooers of Dusty Strings . . . . .	Jonathon Peterson, Ray and Sue Mooers . . . . .	142
Questions: Hammered Dulcimer. . . . .	John Calkin . . . . .	415

## Electronics

Questions: Making Your Own Amp . . . . .	Dave Raley . . . . .	41
Questions: Built-in Guitar Effects . . . . .	Harry Fleishman. . . . .	75
Review: <i>Shoptalk 6</i> . . . . .	John Calkin . . . . .	523
Review: <i>Getting a Bigger Sound</i> by Hopkin with Cain and Lollar. . . . .	Fred Carlson. . . . .	523

## Fingerboard, fretboard

Van Eps Fretboard Slotting Jig . . . . .	Jim DeCava . . . . .	72
Fingerboard Radius Gauges . . . . .	R.M. Mottola . . . . .	106
Cutting a Fanned-Fret Fingerboard. . . . .	Mike Doolin. . . . .	137
Making Templates for Stew-Mac's Fret-Slotting Miter Box . . . . .	Robert Deacon. . . . .	172
Eight Concerns of Highly Successful Guitar Makers. . . . .	R.E. Bruné . . . . .	206
2003 Manuel Reyes Flamenco Guitar . . . . .	Tom Blackshear . . . . .	410
Resurrecting the Family Banjo. . . . .	John Calkin . . . . .	412
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416
Questions: Canting Bass Side of Fretboard . . . . .	Eugene Clark . . . . .	453
Questions: Canting Bass Side of Fretboard . . . . .	David Hurd . . . . .	457
Questions: Canting Bass Side of Fretboard . . . . .	Jeffrey R. Elliott . . . . .	473
Questions: Stain Rosewood Orange . . . . .	John Calkin . . . . .	485
It Worked for Me: Over-Radiused Edges . . . . .	William G. Snively. . . . .	494
Product Review: Stew-Mac Measuring Tools . . . . .	Harry Fleishman. . . . .	507

## Finish, lacquer

Lacquer Details . . . . .	John Calkin . . . . .	138
Questions: Finish for Cocobolo . . . . .	John McCarthy . . . . .	357
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416

## Finish, other

Eight Concerns of Highly Successful Guitar Makers. . . . .	R.E. Bruné . . . . .	206
Questions: Power Buffer for Finish . . . . .	Charles Fox . . . . .	252
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416
Questions: Hand-Finished Sunburst . . . . .	Don MacRostie . . . . .	475
Questions: Stain Rosewood Orange . . . . .	John Calkin . . . . .	485
It Worked for Me: Pasta Grain Filler . . . . .	Scott Van Linge . . . . .	490

## Finish, shellac

Questions: French Polish Crazing . . . . .	Cyndy Burton . . . . .	71
Eight Concerns of Highly Successful Guitar Makers. . . . .	R.E. Bruné . . . . .	206
Questions: Dissolving and Storing Shellac. . . . .	Eugene Clark . . . . .	247
Questions: Finish for Cocobolo . . . . .	John McCarthy . . . . .	357
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416
Questions: 1920 Gibson A-4 Mandolin Finish Repair. . . . .	Don Overstreet . . . . .	437

## Finish, spraying

Lacquer Details . . . . .	John Calkin . . . . .	138
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416

## Finish, varnish

Meet the Maker: Charles Beare . . . . .	Jonathon Peterson, Charles Beare . . . . .	312
---	--	-----

## Finish, waterborne

It Worked for Me: Coloring Waterborne Finish . . . . .	Chad Phillips . . . . .	487
--	-------------------------	-----

## Gluing

Stop Giving Your Guitar the Finger . . . . .	John Calkin . . . . .	2
Charles Fox's Superglue Binding Method . . . . .	Tom Harper, Charles Fox . . . . .	128
The Dan and Frank Show: Through-the-Soundhole Repair Techniques . . . . .	Dan Erlewine, Frank Ford . . . . .	174
Eight Concerns of Highly Successful Guitar Makers . . . . .	R.E. Bruné . . . . .	206
Questions: Freezing Hide Glue . . . . .	Frank Ford . . . . .	252
Restoring Tárrega's 1888 Torres . . . . .	Jeffrey R. Elliott . . . . .	364
Resurrecting the Family Banjo . . . . .	John Calkin . . . . .	412
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416
Questions: Toxicity of Odorless Superglue . . . . .	Bill Hunter . . . . .	431
It Worked for Me: Brace Prop Gauge . . . . .	Michael Breid . . . . .	492
It Worked for Me: Tubing to Inject Glue . . . . .	Dale Randall . . . . .	496
It Worked for Me: Foam Bracing Caul . . . . .	Michael Turko . . . . .	497
It Worked for Me: Glue Syringes . . . . .	Barry Irvin . . . . .	499

## Guitar, archtop

Ted's Excellent Adventures . . . . .	Steve Regimbal, Ted Berringer . . . . .	18
Questions: Ebony Tailpiece Cracks . . . . .	Ted Megas . . . . .	27
Meet the Maker: Steve Grimes . . . . .	Jonathon Peterson, Steve Grimes . . . . .	48
Forces on Archtop Guitars . . . . .	Franz Elferink . . . . .	56

## Guitar, classical

Remembering Robert Bouchet . . . . .	Philippe Refig . . . . .	32
Bridge Positioning Fixture . . . . .	Pete Barthell . . . . .	34
Meet the Maker: Dake Traphagen . . . . .	Jonathon Peterson, Dake Traphagen . . . . .	76
Géza's Precision Assembly Jig . . . . .	Cyndy Burton, Géza Burghardt . . . . .	86
From Russia, with Strings Attached . . . . .	C.F. Casey . . . . .	92
Russian 7-String Guitar Plan . . . . .	C.F. Casey . . . . .	95
Another Old 7-String Guitar . . . . .	C.F. Casey . . . . .	99
Meet the Maker: Lester DeVoe . . . . .	Cyndy Burton, Lester DeVoe . . . . .	192
Eight Concerns of Highly Successful Guitar Makers . . . . .	R.E. Bruné . . . . .	206
Meet the Dealer: Armin Kelly . . . . .	Cyndy Burton, Armin Kelly . . . . .	254
Questions: Side Soundports . . . . .	Robert Ruck . . . . .	259
Removable and Adjustable Necks for Classical Guitars . . . . .	Alain Bieber . . . . .	262
Questions: Dished Soundboard . . . . .	R.E. Bruné . . . . .	349
Fitting Flamenco Pegs . . . . .	Aaron Green . . . . .	350
Two Interesting Guitars . . . . .	Philippe Refig . . . . .	356
Restoring Tárrega's 1888 Torres . . . . .	Jeffrey R. Elliott . . . . .	364
1888 Antonio de Torres Classic Guitar Plan . . . . .	Jeffrey R. Elliott . . . . .	378
19th-Century Rosette Marquetry for 21st-Century Guitars . . . . .	Greg Byers . . . . .	392
Meet the Maker: Del Langejans . . . . .	Mark Swanson, Del Langejans . . . . .	402
Manuel Reyes: Guitarrero . . . . .	R.E. Bruné . . . . .	404
2003 Manuel Reyes Flamenco Guitar . . . . .	Tom Blackshear . . . . .	410
2003 Manuel Reyes Flamenco Guitar Plan . . . . .	Tom Blackshear . . . . .	411
Questions: Canting Bass Side of Fretboard . . . . .	Eugene Clark . . . . .	453
Questions: Canting Bass Side of Fretboard . . . . .	David Hurd . . . . .	457
Questions: Canting Bass Side of Fretboard . . . . .	Jeffrey R. Elliott . . . . .	473
It Worked for Me: Wedges for Classical Sides . . . . .	Brent Benfield . . . . .	495
Review: <i>The Vihuela de Mano and The Spanish Guitar</i> by Romanillos and Winspear . . . . .	Bryan Johanson . . . . .	526
Review: <i>The Guitar of Andrés Segovia: Hermann Hauser 1937</i> by Bruné and Pilarz . . . . .	Tom Harper . . . . .	533
Letter to the editor: Elliott Torres Restoration Article . . . . .	R.E. Bruné . . . . .	545

## Guitar, electric

Meet the Maker: Kathy Matsushita . . . . .	Cyndy Burton, Kathy Matsushita . . . . .	8
Is "Guitar Design" an Oxymoron? . . . . .	Steve Klein . . . . .	110
Lacquer Details . . . . .	John Calkin . . . . .	138
Shifting Gears on a Gretsch . . . . .	John Calkin . . . . .	156
Desktop CNC Machines . . . . .	R.M. Mottola . . . . .	169
The Cole Clark Guitar . . . . .	Bradley Clark, Michael Finnerty . . . . .	358
Meet the Maker: Jay Hargreaves . . . . .	Todd Rose, Jay Hargreaves . . . . .	380

## Guitar, factories

Is “Guitar Design” an Oxymoron?.....	Steve Klein .....	110
Meet the Maker: John Greven.....	Mike Doolin, John Greven .....	116
Shifting Gears on a Gretsch.....	John Calkin .....	156
Meet the Maker: Bob Jones .....	Bruce Calder, Bob Jones.....	306
Meet the Maker: Jay Hargreaves.....	Todd Rose, Jay Hargreaves .....	380

## Guitar, flattop

Stop Giving Your Guitar the Finger.....	John Calkin .....	2
Meet the Maker: Steve Grimes .....	Jonathon Peterson, Steve Grimes.....	48
Is “Guitar Design” an Oxymoron?.....	Steve Klein .....	110
Meet the Maker: John Greven.....	Mike Doolin, John Greven .....	116
Making an Access Panel .....	Chris Jenkins, Larry Mills.....	132
Experiments in Audio Spectroscopy.....	John C. Moore.....	260
Removable and Adjustable Necks for Classical Guitars .....	Alain Bieber.....	262
Structuring Acoustics with Carbon Fiber .....	Steve Kauffman .....	274
Neck and Bridge Geometry for Domed Guitar Tops.....	Jon Sevy.....	296
The Cole Clark Guitar .....	Bradley Clark, Michael Finnerty.....	358
Meet the Maker: Del Langejans .....	Mark Swanson, Del Langejans.....	402
It Worked for Me: Toothpick Guitar .....	David B. Hawley.....	486
It Worked for Me: Replacing Bridge Plates in Dreadnoughts.....	Keith Davis .....	496
Review: <i>Build a Steel String Guitar</i> by Robert O’Brien .....	John Calkin .....	536
Review: <i>Building an Acoustic Guitar</i> by Erlewine and Sams .....	John Calkin .....	537
Kit Review: LMI’s OM Guitar.....	John Calkin .....	538

## Guitar, harp

Structuring Acoustics with Carbon Fiber .....	Steve Kauffman .....	274
Teaching the Dream to Sing .....	Fred Carlson.....	320
Meet the Maker: Del Langejans .....	Mark Swanson, Del Langejans.....	402

## Guitar, other

Ted’s Excellent Adventures .....	Steve Regimbal, Ted Berringer.....	18
Is “Guitar Design” an Oxymoron?.....	Steve Klein .....	110
Tales of Topographic Arches.....	Michael Darnton.....	199
Teaching the Dream to Sing .....	Fred Carlson.....	320
Meet the Maker: Del Langejans .....	Mark Swanson, Del Langejans.....	402
Review: <i>Build Your Own Lap Steel Guitar</i> by Martin Koch .....	John Calkin .....	533

## Health

Questions: Lutherie Related Skin Rash.....	Udi Vachterman.....	57
Lacquer Details .....	John Calkin .....	138
Questions: Toxicity of Odorless Superglue.....	Bill Hunter .....	431

## Humidity

Questions: Quartersawn Wood .....	Alan Ollivant .....	17
Questions: Ebony Tailpiece Cracks .....	Ted Megas.....	27
Meet the Makers: Sue and Ray Mooers of Dusty Strings .....	Jonathon Peterson, Ray and Sue Mooers .....	142
Eight Concerns of Highly Successful Guitar Makers.....	R.E. Bruné .....	206

## Humor

Stop Giving Your Guitar the Finger.....	John Calkin .....	2
Guitar Tattoos: Inlay Harry’s Way.....	Harry Fleishman.....	36
Meet the Maker: Steve Grimes .....	Jonathon Peterson, Steve Grimes.....	48
Is “Guitar Design” an Oxymoron?.....	Steve Klein .....	110
Meet the Maker: John Greven.....	Mike Doolin, John Greven .....	116

## Inlay

Guitar Tattoos: Inlay Harry’s Way.....	Harry Fleishman.....	36
Making an Access Panel .....	Chris Jenkins, Larry Mills.....	132
Desktop CNC Machines .....	R.M. Mottola .....	169
19th-Century Rosette Marquetry for 21st-Century Guitars.....	Greg Byers .....	392

## Instruments, other

Meet the Maker: Do Viet Dung	Andy DePaule, Do Viet Dung	66
Some Traditional Vietnamese Instruments	Andy DePaule	69
Meet the Maker: Dake Traphagen	Jonathon Peterson, Dake Traphagen	76
Meet the Makers: Sue and Ray Mooers of Dusty Strings	Jonathon Peterson, Ray and Sue Mooers	142
An Authentic Hurdy-Gurdy	Wilfried Ulrich	162
Hurdy-Gurdy Plan	Wilfried Ulrich	168
Meet the Maker: Jeffrey Yong	John Calkin, Jeffrey Yong	200
Did G.B. Fabricatore Do It First?	Alain Bieber	267
Questions: Clark Harp Value	Howard Bryan	268
Teaching the Dream to Sing	Fred Carlson	320
The Colombian Tiple	Luis Alberto Paredes Rodríguez	341
Colombian Tiple Plan	Luis Alberto Paredes Rodríguez	343
It Worked for Me: Hardanger Fiddle Pegs	David Golber	501
Review: <i>Setar Construction, An Iranian Musical Instrument</i> by Masser Shirazi	Marc Connelly	525
Review: <i>The Bouzouki Book</i> by Graham McDonald	John Calkin	525
Review: <i>The Vihuela de Mano and The Spanish Guitar</i> by Romanillos and Winspear	Bryan Johanson	526
Review: <i>El Tiple Puertorriqueno: Historia, Manual y Metodo</i> by José Reyes-Zamora	C.F. Casey	527
Review: <i>Folk Harp Design and Construction</i> by Jeremy H. Brown	C.F. Casey	532

## Lute

Carving the Lute Rose	Ervin Somogyi	228
Meet the Maker: Charles Beare	Jonathon Peterson, Charles Beare	312
Review: <i>A History of the Lute from Antiquity to the Renaissance</i> by Douglas A. Smith	Bryan Johanson	522

## Mandolin

Ted's Excellent Adventures	Steve Regimbal, Ted Berringer	18
Questions: Mandola Plans	Don MacRostie, Jim Hoover	223
Questions: Saddle Compensation for Octave Mandolin	John Calkin	423
Hands-On Archtop Mandolin Making	Peggy Stuart, Don MacRostie	416
Questions: 1920 Gibson A-4 Mandolin Finish Repair	Don Overstreet, Don MacRostie	437
Questions: Hand-Finished Sunburst	Don MacRostie	475

## Neck

Pantograph Neck Shaft Duplicator	Mike Doolin	28
Questions: Adjustable Truss Rods	John Calkin	65
Decorative Guitar Heel Carving	John Greven	100
Cutting a Fanned-Fret Fingerboard	Mike Doolin	137
Neck Template Duplicating Carver	Peter Hurney	186
Eight Concerns of Highly Successful Guitar Makers	R.E. Bruné	206
A Savart-Style Upright Bass	R.M. Mottola	248
Removable and Adjustable Necks for Classical Guitars	Alain Bieber	262
Did G.B. Fabricatore Do It First?	Alain Bieber	267
Neck and Bridge Geometry for Domed Guitar Tops	Jon Sevy	296
Meet the Maker: Jay Hargreaves	Todd Rose, Jay Hargreaves	380
Hands-On Archtop Mandolin Making	Peggy Stuart, Don MacRostie	416
It Worked for Me: Bolt-On-Neck Attachment	Marc Connelly	498
Product Review: Stew-Mac Measuring Tools	Harry Fleishman	507

## Pegs

Fitting Flamenco Pegs	Aaron Green	350
It Worked for Me: Hardanger Fiddle Pegs	David Golber	501

## People

(Names in parentheses are mentioned in the article.)

In Memoriam: François Pistorius	L. Baeder, S. Deutsch, A. Ludwig, R. Stedall	7
Meet the Maker: Kathy Matsushita	Cyndy Burton, Kathy Matsushita	8
Meet the Maker: George Wunderlich	Nathan Stinnette, George Wunderlich	24
Remembering Robert Bouchet	Philippe Refig	32
Meet the Maker: Steve Grimes	Jonathon Peterson, Steve Grimes	48
Meet the Maker: George Morris (Charles Fox)	Ed Beaver, George Morris	58
Meet the Maker: Do Viet Dung	Andy DePaule, Do Viet Dung	66

Meet the Maker: Dake Traphagen (N. van der Waals, P. Romero, M. Rodríguez, H. Hauser II) . . . . .	Jonathon Peterson, Dake Traphagen. . . . .	76
Is “Guitar Design” an Oxymoron? (Michael Kasha, Richard Schneider, Abe Wechter) . . . . .	Steve Klein . . . . .	110
Meet the Maker: John Greven. . . . .	Mike Doolin, John Greven . . . . .	116
Classical Cremonese Violin Soundhole Placement (A. Stradivari) . . . . .	Michael Darnton . . . . .	126
Charles Fox’s Superglue Binding Method (Cameron Carr) . . . . .	Tom Harper, Charles Fox. . . . .	128
Making an Access Panel (Abe Wechter). . . . .	Chris Jenkins, Larry Mills . . . . .	132
Cutting a Fanned-Fret Fingerboard (Ralph Novak). . . . .	Mike Doolin . . . . .	137
Meet the Makers: Sue and Ray Mooers of Dusty Strings . . . . .	Jonathon Peterson, Ray and Sue Mooers. . . . .	142
Meet the Maker: Lester DeVoe . . . . .	Cyndy Burton, Lester DeVoe . . . . .	192
Meet the Maker: Jeffrey Yong . . . . .	John Calkin, Jeffrey Yong . . . . .	200
<b>Eight Concerns of Highly Successful Guitar Makers</b>		
(Santos Hernández, Marcelo Barbero, Ignatio Fleta, Hermann Hauser I) . . . . .	R.E. Bruné . . . . .	206
Meet the Maker: Frank Ford (Jon Lundberg, Mario Martello, Richard Johnston) . . . . .	Jonathon Peterson, Frank Ford . . . . .	236
Meet the Dealer: Armin Kelly. . . . .	Cyndy Burton, Armin Kelly . . . . .	254
Removable and Adjustable Necks for Classical Guitars (Johan Georg Stauffer). . . . .	Alain Bieber . . . . .	262
Did G.B. Fabricatore Do It First? (Johan Georg Stauffer) . . . . .	Alain Bieber . . . . .	267
Structuring Acoustics with Carbon Fiber (Michael Kasha, Richard Schneider, Steve Klein) . . . . .	Steve Kauffman. . . . .	274
Meet the Maker: Kevin La Due . . . . .	Cyndy Burton, Kevin La Due. . . . .	286
In Memoriam: Terry Demezas . . . . .	Eric Meyer . . . . .	299
Meet the Maker: Bob Jones (Matt Umanov) . . . . .	Bruce Calder, Bob Jones . . . . .	306
Meet the Maker: Charles Beare . . . . .	Jonathon Peterson, Charles Beare. . . . .	312
Teaching the Dream to Sing (Charles Fox). . . . .	Fred Carlson . . . . .	320
Two Interesting Guitars (Enrique Garcia) . . . . .	Philippe Refig. . . . .	356
Meet the Maker: Pierre-Yves Fuchs . . . . .	Jonathon Peterson, Pierre-Yves Fuchs . . . . .	362
Restoring Tárrega’s 1888 Torres (Antonio de Torres, José Romanillos, Francisco Tárrega). . . . .	Jeffrey R. Elliott. . . . .	364
Meet the Maker: Jay Hargreaves (Richard Schneider, Michael Kasha). . . . .	Todd Rose, Jay Hargreaves . . . . .	380
Meet the Maker: Del Langejans . . . . .	Mark Swanson, Del Langejans . . . . .	402
Manuel Reyes: Guitarrero (Marcelo Barbero) . . . . .	R.E. Bruné . . . . .	404
2003 Manuel Reyes Flamenco Guitar . . . . .	Tom Blackshear. . . . .	410
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie. . . . .	416
Review: <i>The Vihuela de Mano and The Spanish Guitar</i> by Romanillos and Winspear . . . . .	Bryan Johanson. . . . .	526
Review: <i>The Guitar of Andrés Segovia: Hermann Hauser 1937</i> by Bruné and Pilarz. . . . .	Tom Harper . . . . .	533

## Philosophy

Guitar Tattoos: Inlay Harry’s Way. . . . .	Harry Fleishman . . . . .	36
Meet the Maker: George Morris. . . . .	Ed Beaver, George Morris . . . . .	58
Meet the Maker: Dake Traphagen . . . . .	Jonathon Peterson, Dake Traphagen . . . . .	76
Is “Guitar Design” an Oxymoron? . . . . .	Steve Klein . . . . .	110
Meet the Maker: John Greven. . . . .	Mike Doolin, John Greven . . . . .	116
Meet the Makers: Sue and Ray Mooers of Dusty Strings . . . . .	Jonathon Peterson, Ray and Sue Mooers. . . . .	142
Eight Concerns of Highly Successful Guitar Makers. . . . .	R.E. Bruné . . . . .	206
Meet the Maker: Kevin La Due . . . . .	Cyndy Burton, Kevin La Due. . . . .	286
Meet the Maker: Charles Beare . . . . .	Jonathon Peterson, Charles Beare. . . . .	312
Teaching the Dream to Sing . . . . .	Fred Carlson . . . . .	320
Questions: Dished Soundboard . . . . .	R.E. Bruné . . . . .	349

## Physics, guitar

What Happens If I Make It Bigger? . . . . .	Jon Sevy . . . . .	14
Questions: Measuring Guitar Efficiency. . . . .	Alan Carruth . . . . .	22
Questions: Measuring Soundboard Vibration . . . . .	Alan Carruth. . . . .	46
Forces on Archtop Guitars . . . . .	Franz Elferink . . . . .	56
Calculating Guitar Side Height . . . . .	Mike Doolin . . . . .	96
Derivation of Formula for High Point of Back . . . . .	Jon Sevy . . . . .	98
Experiments in Audio Spectroscopy . . . . .	John C. Moore . . . . .	260
The Helmholtz Resonance. . . . .	R.M. Mottola . . . . .	344
Rib Depth of Guitars with Spherically Domed Plates . . . . .	R.M. Mottola . . . . .	386
Review: <i>Left-Brain Lutherie</i> by David C. Hurd . . . . .	R.M. Mottola . . . . .	528

## Physics, math

Calculating Guitar Side Height . . . . .	Mike Doolin . . . . .	96
Derivation of Formula for High Point of Back . . . . .	Jon Sevy . . . . .	98
Neck and Bridge Geometry for Domed Guitar Tops . . . . .	Jon Sevy . . . . .	296

The Helmholtz Resonance . . . . .	R.M. Mottola . . . . .	344
The Helmholtz Formula . . . . .	R.M. Mottola . . . . .	348
It Worked for Me: Working with Curly Woods . . . . .	Alain Bieber . . . . .	491
Review: <i>Left-Brain Lutherie</i> by David C. Hurd . . . . .	R.M. Mottola . . . . .	528
<b>Plans</b>		
From Russia, with Strings Attached . . . . .	C.F. Casey . . . . .	92
Russian 7-String Guitar Plan . . . . .	C.F. Casey . . . . .	95
An Authentic Hurdy-Gurdy . . . . .	Wilfried Ulrich . . . . .	162
Hurdy-Gurdy Plan . . . . .	Wilfried Ulrich . . . . .	168
Questions: Mandola Plans . . . . .	Don MacRostie . . . . .	223
A Savart-Style Upright Bass . . . . .	R.M. Mottola . . . . .	248
Savart-Style Upright Bass Plan . . . . .	R.M. Mottola . . . . .	253
The Colombian Tiple . . . . .	Luis Alberto Paredes Rodríguez . . . . .	341
Colombian Tiple Plan . . . . .	Luis Alberto Paredes Rodríguez . . . . .	343
Restoring Tárrega's 1888 Torres . . . . .	Jeffrey R. Elliott . . . . .	364
1888 Antonio de Torres Classic Guitar Plan . . . . .	Jeffrey R. Elliott . . . . .	378
Manuel Reyes: Guitarrero . . . . .	R.E. Bruné . . . . .	404
2003 Manuel Reyes Flamenco Guitar . . . . .	Tom Blackshear . . . . .	410
2003 Manuel Reyes Flamenco Guitar Plan . . . . .	Tom Blackshear . . . . .	411
Review: <i>The Guitar of Andrés Segovia: Hermann Hauser 1937</i> by Bruné and Pilarz . . . . .	Tom Harper . . . . .	533
<b>Repair</b>		
Shifting Gears on a Gretsch . . . . .	John Calkin . . . . .	156
The Dan and Frank Show: Through-the-Soundhole Repair Techniques . . . . .	Dan Erlewine, Frank Ford . . . . .	174
Meet the Maker: Frank Ford . . . . .	Jonathon Peterson, Frank Ford . . . . .	236
Rebuilding a Rebuilt Headstock . . . . .	Frank Ford . . . . .	245
Meet the Maker: Bob Jones . . . . .	Bruce Calder, Bob Jones . . . . .	306
Restoring Tárrega's 1888 Torres . . . . .	Jeffrey R. Elliott . . . . .	364
Resurrecting the Family Banjo . . . . .	John Calkin . . . . .	412
It Worked for Me: Eureka Steamer . . . . .	Dennis Russell . . . . .	494
It Worked for Me: Tubing to Inject Glue . . . . .	Dale Randall . . . . .	496
It Worked for Me: Replacing Bridge Plates in Dreadnoughts . . . . .	Keith Davis . . . . .	496
Product Review: BridgeSaver . . . . .	Harry Fleishman . . . . .	506
Product Review: Bridge Doctor . . . . .	John Calkin . . . . .	514
Review: <i>Shoptalk 6</i> . . . . .	John Calkin . . . . .	523
Review: <i>The Setup and Repair of the Double Bass</i> by Chuck Traeger . . . . .	James Condino . . . . .	534
<b>Restoration</b>		
Meet the Maker: George Wunderlich . . . . .	Nathan Stinnette, George Wunderlich . . . . .	24
Questions: Clark Harp Value . . . . .	Howard Bryan . . . . .	268
Meet the Maker: Charles Beare . . . . .	Jonathon Peterson, Charles Beare . . . . .	312
Questions: Dished Soundboard . . . . .	R.E. Bruné . . . . .	349
Restoring Tárrega's 1888 Torres . . . . .	Jeffrey R. Elliott . . . . .	364
1888 Antonio de Torres Classic Guitar Plan . . . . .	Jeffrey R. Elliott . . . . .	378
Resurrecting the Family Banjo . . . . .	John Calkin . . . . .	412
Questions: 1920 Gibson A-4 Mandolin Finish Repair . . . . .	Don Overstreet, Don MacRostie . . . . .	437
It Worked for Me: Hardanger Fiddle Pegs . . . . .	David Golber . . . . .	501
Letter to the editor: Elliott Torres Restoration Article . . . . .	R.E. Bruné . . . . .	545
<b>Reviews</b>		
Product Reviews: Small Tools . . . . .	Cyndy Burton, Jeffrey R. Elliott . . . . .	502
Product Review: Soft Cases . . . . .	R.M. Mottola . . . . .	503
Product Review: Fossil-Ivory Bridge Pins . . . . .	Harry Fleishman . . . . .	505
Product Review: BridgeSaver . . . . .	Harry Fleishman . . . . .	506
Product Review: Stew-Mac Measuring Tools . . . . .	Harry Fleishman . . . . .	507
Product Review: The Luthier's Friend . . . . .	Keith Davis . . . . .	509
Product Review: Spot Check Thermometer . . . . .	John Calkin . . . . .	510
Product Review: Stew-Mac Shaped Braces . . . . .	John Calkin . . . . .	512
Product Review: Bridge Doctor . . . . .	John Calkin . . . . .	514
Product Review: A Crop of Tuning Machines . . . . .	Todd Rose . . . . .	516
Review: <i>A History of the Lute from Antiquity to the Renaissance</i> by Douglas A. Smith . . . . .	Bryan Johanson . . . . .	522
Review: <i>Shoptalk 6</i> . . . . .	John Calkin . . . . .	523



Review: <i>Getting a Bigger Sound</i> by Hopkin with Cain and Lollar . . . . .	Fred Carlson . . . . .	523
Review: <i>Emasco Finger Planes</i> . . . . .	Don Overstreet . . . . .	524
Review: <i>Setar Construction</i> by Masser Shirazi . . . . .	Marc Connelly. . . . .	525
Review: <i>The Bouzouki Book</i> by Graham McDonald. . . . .	John Calkin . . . . .	525
Review: <i>The Vihuela de Mano and The Spanish Guitar</i> by Romanillos and Winspear . . . . .	Bryan Johanson . . . . .	526
Review: <i>El Tiple Puertorriqueno: Historia, Manual y Metodo</i> by José Reyes-Zamora . . . . .	C.F. Casey. . . . .	527
Review: <i>Left-Brain Lutherie</i> by David C. Hurd . . . . .	R.M. Mottola . . . . .	528
Review: <i>Aux origins de la guitare: la vihuela de mano</i> by Joël Dugot . . . . .	Bryan Johanson . . . . .	530
Review: <i>The Art of Modern Violin Making</i> by Ricardo B. Flores . . . . .	Ken Goodwin . . . . .	531
Review: <i>Folk Harp Design and Construction</i> by Jeremy H. Brown . . . . .	C.F. Casey. . . . .	532
Review: <i>The Guitar of Andrés Segovia: Hermann Hauser 1937</i> by Bruné and Pilarz . . . . .	Tom Harper. . . . .	533
Review: <i>Build Your Own Lap Steel Guitar</i> by Martin Koch . . . . .	John Calkin . . . . .	533
Review: <i>The Setup and Repair of the Double Bass for Optimum Sound</i> by Chuck Traeger . . . . .	James Condino . . . . .	534
Review: <i>Baxter's Database of Violin and Bow Makers v3.0</i> by Edward D. Baxter. . . . .	Randy DeBey . . . . .	535
Review: <i>Build a Steel String Guitar</i> by Robert O'Brien . . . . .	John Calkin. . . . .	536
Review: <i>Building an Acoustic Guitar</i> by Erlewine and Sams . . . . .	John Calkin. . . . .	537
Kit Review: LMI's OM Guitar. . . . .	John Calkin. . . . .	538

## Rosette

Carving the Lute Rose . . . . .	Ervin Somogyi . . . . .	228
19th-Century Rosette Marquetry for 21st-Century Guitars. . . . .	Greg Byers . . . . .	392
It Worked for Me: Veneer Scraper . . . . .	Eugene Clark . . . . .	487
It Worked for Me: Veneer Rosette . . . . .	Richard Heeres . . . . .	489

## Schools

Meet the Maker: George Morris. . . . .	Ed Beaver, George Morris. . . . .	58
Questions: Choosing Schools . . . . .	Cyndy Burton. . . . .	61
Meet the Maker: Kevin La Due . . . . .	Cyndy Burton, Kevin La Due . . . . .	286
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416

## Sharpening

Stop Giving Your Guitar the Finger. . . . .	John Calkin. . . . .	2
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416

## Strings

Meet the Maker: George Wunderlich . . . . .	Nathan Stinnette, George Wunderlich . . . . .	24
Eight Concerns of Highly Successful Guitar Makers. . . . .	R.E. Bruné . . . . .	206
Review: <i>Folk Harp Design and Construction</i> by Jeremy H. Brown . . . . .	C.F. Casey. . . . .	532

## Strings, tension

What Happens If I Make It Bigger? . . . . .	Jon Sevy . . . . .	14
Forces on Archtop Guitars . . . . .	Franz Elferink. . . . .	56
Review: <i>Folk Harp Design and Construction</i> by Jeremy H. Brown . . . . .	C.F. Casey. . . . .	532

## Synthetics

Is "Guitar Design" an Oxymoron? . . . . .	Steve Klein . . . . .	110
Structuring Acoustics with Carbon Fiber . . . . .	Steve Kauffman . . . . .	274
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416
Review: <i>Shoptalk 6</i> . . . . .	John Calkin. . . . .	523

## Tools, clamps

The Dan and Frank Show: Through-the-Soundhole Repair Techniques. . . . .	Dan Erlewine, Frank Ford . . . . .	174
Teaching the Dream to Sing . . . . .	Fred Carlson . . . . .	320
Hands-On Archtop Mandolin Making . . . . .	Peggy Stuart, Don MacRostie . . . . .	416
It Worked for Me: Veneer Rosette . . . . .	Richard Heeres . . . . .	489
It Worked for Me: Brace Prop Gauge . . . . .	Michael Breid . . . . .	492
It Worked for Me: Tubing to Inject Glue. . . . .	Dale Randall . . . . .	496
Review: <i>Shoptalk 6</i> . . . . .	John Calkin . . . . .	523

## Tools, created

Pantograph Neck Shaft Duplicator . . . . .	Mike Doolin . . . . .	28
Motorized Dish Sander . . . . .	Mike Doolin . . . . .	31
Making Dished Workboards . . . . .	Rodney Stedall . . . . .	47

Get Bent! A Versatile Shopmade Side Bender	Mike Doolin	70
Tracker Remote Switches	Bruce Petros	74
Géza's Precision Assembly Jig	Cyndy Burton, Géza Burghardt	86
Cutting a Fanned-Fret Fingerboard	Mike Doolin	137
Making Templates for Stew-Mac's Fret-Slotting Miter Box	Robert Deacon	172
The Dan and Frank Show: Through-the-Soundhole Repair Techniques	Dan Erlewine, Frank Ford	174
Neck Template Duplicating Carver	Peter Hurney	186
Essential Tools: Scratches and a Detail Knife	Eugene Clark, Jonathon Peterson	270
Hands-On Archtop Mandolin Making	Peggy Stuart, Don MacRostie	416
It Worked for Me: Veneer Scraper	Eugene Clark	487
It Worked for Me: Planing Jig	Peter Giolitto	488
It Worked for Me: Archtop Binding Channels	Eric Foulke	489
It Worked for Me: Simple Dowel Wrench	Dave Dillman	490
It Worked for Me: Self-Aligning Kerfing Saw	Peter Giolitto	490
It Worked for Me: Dozuki-Blade Tools and Making Dowels	C.F. Casey	491
It Worked for Me: Brace Prop Gauge	Michael Breid	492
It Worked for Me: Modifying Trim Router	Mark Brantley	493
It Worked for Me: Eureka Steamer	Dennis Russell	494
It Worked for Me: Over-Radiused Edges	William G. Snavelly	494
It Worked for Me: Tubing to Inject Glue	Dale Randall	496
It Worked for Me: Peghead Protectors	Ervin Somogyi	498
It Worked for Me: Bolt-On-Neck Attachment	Marc Connelly	498
It Worked for Me: Glue Syringes	Barry Irvin	499

### Tools, hand

Stop Giving Your Guitar the Finger	John Calkin	2
A Cheapskate's Sampler	R.M. Mottola	62
Van Eps Fretboard Slotting Jig	Jim DeCava	72
Decorative Guitar Heel Carving	John Greven	100
The Dan and Frank Show: Through-the-Soundhole Repair Techniques	Dan Erlewine, Frank Ford	174
Carving the Lute Rose	Ervin Somogyi	228
Essential Tools: Scratches and a Detail Knife	Eugene Clark, Jonathon Peterson	270
Fitting Flamenco Pegs	Aaron Green	350
Restoring Tárrega's 1888 Torres	Jeffrey R. Elliott	364
Hands-On Archtop Mandolin Making	Peggy Stuart, Don MacRostie	416
It Worked for Me: Veneer Scraper	Eugene Clark	487
It Worked for Me: Planing Jig	Peter Giolitto	488
It Worked for Me: Ultimate Palette Knife	Eugene Clark	494
It Worked for Me: Bolt-On-Neck Attachment	Marc Connelly	498
It Worked for Me: Stanley Block Plane Modification	Peter True	499
Product Reviews: Small Tools	Cyndy Burton, Jeffrey R. Elliott	502
Product Review: BridgeSaver	Harry Fleishman	506
Review: Emasco Finger Planes	Don Overstreet	524

### Tools, jigs

Stop Giving Your Guitar the Finger	John Calkin	2
Bridge Positioning Fixture	Pete Barthell	34
Making Dished Workboards	Rodney Stedall	47
Van Eps Fretboard Slotting Jig	Jim DeCava	72
Géza's Precision Assembly Jig	Cyndy Burton, Géza Burghardt	86
Making Bridge Plates	John Calkin	104
Fingerboard Radius Gauges	R.M. Mottola	106
Dedicated Binding and Purfling Routers	Mike Doolin	108
Making Templates for Stew-Mac's Fret-Slotting Miter Box	Robert Deacon	172
Bridge Shaping and Routing Jig	Paul Woolson	224
Two-Step Cutaway Bending	John Calkin	226
An Enhancement to the Outside Mold	R.M. Mottola	234
Making Patterns for an Access Panel	Lloyd Marsden	272
Meet the Maker: Kevin La Due	Cyndy Burton, Kevin La Due	286
Teaching the Dream to Sing	Fred Carlson	320
Rib Depth of Guitars with Spherically Domed Plates	R.M. Mottola	386
Hands-On Archtop Mandolin Making	Peggy Stuart, Don MacRostie	416
It Worked for Me: Planing Jig	Peter Giolitto	488

It Worked for Me: Veneer Rosette .....	Richard Heeres .....	489
It Worked for Me: Ukelele Sides .....	Carl Formoso .....	492
<b>Tools, measuring</b>		
Tales of Topographic Arches .....	Michael Darnton .....	199
Hands-On Archtop Mandolin Making .....	Peggy Stuart, Don MacRostie .....	416
Product Review: Stew-Mac Measuring Tools .....	Harry Fleishman .....	507
Product Review: Spot Check Thermometer .....	John Calkin .....	510
<b>Tools, power</b>		
Pantograph Neck Shaft Duplicator .....	Mike Doolin .....	28
Motorized Dish Sander .....	Mike Doolin .....	31
Dedicated Binding and Purfling Routers .....	Mike Doolin .....	108
Neck Template Duplicating Carver .....	Peter Hurney .....	186
Bridge Shaping and Routing Jig .....	Paul Woolson .....	224
Making Patterns for an Access Panel .....	Lloyd Marsden .....	272
Meet the Maker: Kevin La Due .....	Cyndy Burton, Kevin La Due .....	286
Hands-On Archtop Mandolin Making .....	Peggy Stuart, Don MacRostie .....	416
Product Review: The Luthier's Friend .....	Keith Davis .....	509
<b>Tuners</b>		
Product Review: A Crop of Tuning Machines .....	Todd Rose .....	516
<b>Tuning, temperament</b>		
Restoring Tárrega's 1888 Torres .....	Jeffrey R. Elliott .....	364
Questions: Saddle Compensation for Octave Mandolin .....	John Calkin .....	423
<b>Ukulele</b>		
It Worked for Me: Ukelele Sides .....	Carl Formoso .....	492
<b>Vihuela</b>		
Review: <i>A History of the Lute from Antiquity to the Renaissance</i> by Douglas A. Smith .....	Bryan Johanson .....	522
Review: <i>The Vihuela de Mano and The Spanish Guitar</i> by Romanillos and Winspear .....	Bryan Johanson .....	526
Review: <i>Aux origins de la guitare: la vihuela de mano</i> by Joël Dugot .....	Bryan Johanson .....	530
<b>Violin</b>		
Classical Cremonese Violin Soundhole Placement .....	Michael Darnton .....	126
Meet the Maker: Charles Beare .....	Jonathon Peterson, Charles Beare .....	312
Review: <i>The Art of Modern Violin Making</i> by Ricardo B. Flores .....	Ken Goodwin .....	531
Review: <i>Baxter's Database of Violin and Bow Makers v3.0</i> by Edward D. Baxter .....	Randy DeBey .....	535
<b>Violin, bow</b>		
Meet the Maker: Pierre-Yves Fuchs .....	Jonathon Peterson, Pierre-Yves Fuchs .....	362
Review: <i>Baxter's Database of Violin and Bow Makers v3.0</i> by Edward D. Baxter .....	Randy DeBey .....	535
<b>Wood, dealers</b>		
Meet the Maker: Jeffrey Yong .....	John Calkin, Jeffrey Yong .....	200
<b>Wood, hard</b>		
Questions: Ebony Tailpiece Cracks .....	Ted Megas .....	27
Questions: Choosing Top Wood .....	John Calkin .....	479
It Worked for Me: Working with Curly Woods .....	Alain Bieber .....	491
<b>Wood, other</b>		
Plywood .....	R.M. Mottola .....	20
Questions: Bending Bubinga .....	John Calkin .....	35
A Cheapskate's Sampler .....	R.M. Mottola .....	62
Meet the Maker: John Greven .....	Mike Doolin, John Greven .....	116
Meet the Maker: Kevin La Due .....	Cyndy Burton, Kevin La Due .....	286
The Cole Clark Guitar .....	Bradley Clark, Michael Finnerty .....	358
Questions: Bending African Blackwood .....	Cyndy Burton, Jeffrey R. Elliott .....	469
It Worked for Me: Toothpick Guitar .....	David B. Hawley .....	486

## Wood, selection

Questions: Bending Bubinga . . . . .	Frank Fuller . . . . .	13
Questions: Quartersawn Wood . . . . .	Alan Ollivant . . . . .	17
Ted's Excellent Adventures . . . . .	Steve Regimbal, Ted Berringer . . . . .	18
Plywood . . . . .	R.M. Mottola . . . . .	20
Meet the Maker: George Wunderlich . . . . .	Nathan Stinnette, George Wunderlich . . . . .	24
Questions: Ebony Tailpiece Cracks . . . . .	Ted Megas . . . . .	27
A Cheapskate's Sampler . . . . .	R.M. Mottola . . . . .	62
Meet the Maker: Dake Traphagen . . . . .	Jonathon Peterson, Dake Traphagen . . . . .	76
Meet the Maker: John Greven . . . . .	Mike Doolin, John Greven . . . . .	116
Meet the Makers: Sue and Ray Mooers of Dusty Strings . . . . .	Jonathon Peterson, Ray and Sue Mooers . . . . .	142
They Eat Linseed Oil, Don't They? . . . . .	Stephen Frith . . . . .	160
Meet the Maker: Lester DeVoe . . . . .	Cyndy Burton, Lester DeVoe . . . . .	192
Meet the Maker: Jeffrey Yong . . . . .	John Calkin, Jeffrey Yong . . . . .	200
Meet the Maker: Kevin La Due . . . . .	Cyndy Burton, Kevin La Due . . . . .	286
Adirondack Spruce Growth Rates and Accessibility . . . . .	Ralph S. Charles III . . . . .	302
The Cole Clark Guitar . . . . .	Bradley Clark, Michael Finnerty . . . . .	358
Meet the Maker: Pierre-Yves Fuchs . . . . .	Jonathon Peterson, Pierre-Yves Fuchs . . . . .	362
Questions: Hammered Dulcimer . . . . .	John Calkin . . . . .	415
Questions: Choosing Top Wood . . . . .	John Calkin . . . . .	479
It Worked for Me: Working with Curly Woods . . . . .	Alain Bieber . . . . .	491

## Wood, soft

Adirondack Spruce Growth Rates and Accessibility . . . . .	Ralph S. Charles III . . . . .	302
Questions: Guitar Top Grain Orientation . . . . .	Alain Bieber . . . . .	479
Questions: Choosing Top Wood . . . . .	John Calkin . . . . .	479

## Wood, trees

Questions: Quartersawn Wood . . . . .	Alan Ollivant . . . . .	17
They Eat Linseed Oil, Don't They? . . . . .	Stephen Frith . . . . .	160
Meet the Maker: Jeffrey Yong . . . . .	John Calkin, Jeffrey Yong . . . . .	200
Adirondack Spruce Growth Rates and Accessibility . . . . .	Ralph S. Charles III . . . . .	302

## Workshop

Stop Giving Your Guitar the Finger . . . . .	John Calkin . . . . .	2
Meet the Maker: Kathy Matsushita . . . . .	Cyndy Burton, Kathy Matsushita . . . . .	8
Meet the Maker: Steve Grimes . . . . .	Jonathon Peterson, Steve Grimes . . . . .	48
Meet the Makers: Sue and Ray Mooers of Dusty Strings . . . . .	Jonathon Peterson, Ray and Sue Mooers . . . . .	142



