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NEW EDITIONS

AROLD A. SMALL and the University of California Press deserve our gratitude for having edited and embodied in a delightful volume, "Form and Function" (\$2.75), eight essays by Horatio Greenough, reprinted with minor corrections and alterations from Tuckerman's "Memorial of Horatio Greenough," published in 1853, shortly after its subject's death. To read these original, explorative, brilliantly intelligent, hard-hitting papers on art, architecture, and esthetic theory, is to understand why Van Wyck Brooks rediscovered Greenough with enthusiasm, why Matthiessen devoted to him a section of "American Renaissance." Our first American professional sculptor may have journeyed east to Italy to learn and live, but in the wilderness of esthetics he was as bold as any Western-looking pioneer.

Born in 1805, dead in 1852, he anticipated the ideas of Louis Sullivan, Frank Lloyd Wright, and Le Corbusier. Writing in the 1840's, he declared: "To plant a building firmly on the ground; to give it the light that may, the air that must, be needed; to apportion the spaces for convenience, decide their size, and model their shapes for their functions-these acts organize a building." Distinguishing the two great classes of buildings as "organic, formed to meet the wants of their occupants, or monumental, addressed to the sympathies, the faith, or the taste of a people," he asserted that the former, whose laws of structure depend upon definite wants, "may be called machines." He saw decline in "the adoption of admired forms and models for purposes not contemplated in their invention." He urged men "to learn principles, not copy shapes"; found "the first downward step" in the introduction of the first non-functional element; and asserted that formal embellishments merely "accuse a vacuum," without filling it. He demolished Burke's flimsy theories, and the ideas of those who would set up arbitrary laws of proportion. Finally, he defined "Beauty as the promise of Function; Action as the presence of Function; Character as the record of Function."

But, to appreciate Greenough, one must at least read all of the eight essays, sympathetically introduced by Erle Loran. And the Greenough sculpture? Ah, that is another matter. As Emerson said of him, his "tongue was far cunninger to talk than his chisel to carve."

A very different book from which one may learn something of form and function is Van Campen Heilner's "Our American Game Birds" (Garden City Publishing Co., \$2.95). This authoritative guide, accurately illustrated by nineteen color plates and twenty-one line drawings by Lynn Bogue Hunt, is a fascinating volume, valuable for its informative appendices as well as for the body of its text, in which the author mingles scientific lore with a sportsman's anecdotes and comments. Do you know how to cook Melanitta deglandi, the salt water coot? Boil it, along with a large smooth stone, says Mr. Heilner. "When you can stick a fork in the stone, the coot is done."

Robert Nathan's "The Bishop's Wife" (Grosset & Dunlap, \$1) is twenty years old, but its heart-beat is stronger than that of some juniors from the same pen. Nathan's prose is always light and clear; and, at its best, strong. It has been perfected to tell the kind of simple tale he likes to tell, for he also understands form and function. If his beginings often seem to promise more than his endings give, well-that is true, too, of many famous sonnets.

At sight of "Nothing but Wodehouse" (Sundial Press, \$1.59), edited by Ogden Nash, an acquaintance demanded: How can one read Wodehouse in the atomic age? One might as well ask how one could read him after Ypres, Verdun, and the Somme. He is no more remote from reality than he ever was. To deny the delights of the fluffiest pastry, simply because brave men died before Agamemnon, does no one any good-or honor. . . . A fit companion to "Our American Game Birds" is Howard M. Salisbury's "Duck Guns, Shooting and Decoying" (Grosset, \$1.50), presented as "the soundest and most comprehensive book on the subject ever published." . . . Vice reigns unconfined in "The Barbary Coast" (Pocket, 25¢), Herbert Asbury's history of the golden age of San Francisco's bagnios. . . . For the piano: Random House's "A Treasury of Stephen Foster," now made available by Grosset (\$1.49). Arrangements by Ray Lev and Dorothy Berliner Commins, foreword by Deems Taylor, illustrations by William Sharp, biographical note by John Tasker BEN RAY REDMAN. Howard.

The Saturday Review

The New Recordings

COMPOSITION, PERFORMER, ALBUM NUMBER, NUMBER OF RECORDS

NUMBER OF RECORDS

RENCH OPERATIC

FRENCH OPERATIC ARIAS. Maggie Teyte, RCA Victor Orch., Jean Paul Morel. Victor MO 1169 (3 10")

ENGINEERING

Recording Technique | Surface

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PERFORMANCE AND CONTENT

A delightful album, short, charming unknown 18thcent. arias, sung with extraordinary art. Teyte hasn't faded in this music!

STRANGE AURAL ILLUSIONS

AN UNLCOKED-FOR psychological factor in our hearing that causes plenty of confusion for not being recognized is the ear's sensitivity to the balance between higher and lower tones in reproduction. If both ends are shaved off, a balance is maintained (though not fidelity). But slice one end without slicing the other and strange aural illusions are created.

The principle is simple enough. We crave a sort of tonal equality, a tit for tat, where each range of higher tones is balanced by a corresponding range of lower tones, on the opposite side of a hypothetical mean. Lacking this equable distribution, our ears react as to an overdose. If bass is lacking, we may seem to "hear" too much high tone -but, given the required bass, the self-same high sounds, identically reproduced, seem normal and quite untroublesome. A straight aural illusion, and of enormous significance in judging both records and the sound of various reproducing machines. It works all ways. Given an excess of bass, we hear a muffled lack of highs; remove the bass and the very same highs are unmuffled and adequately brilliant. Strange but true. The apparent lack or excess of any tonal component depends, in part, upon the quality of its opposite.

This quirk of the ear accounts, you will see, for many a bitter argument, and for much inexplicable displeasure. In the sound, for instance, of the new table FM sets, that give increased range of high tones, but lack bass: thus unbalanced, FM sounds harsh, scratchy, tinny, and quite rightly so; given a bigger machine with more bass, FM comes into its own. A record that seems to have adequate high tones as played on a table machine sounds unaccountably muffled on a larger one (with more bass) even though. again, the actual higher tones may be identically reproduced. Here is

a notable disadvantage of older records as heard on large, expensive machines—the powerful bass, though legitimate and a part of the original music, only serves to make audible a lack of high tones that on a small machine, is seldom noticed. Hence, too, the impression of muffledness and booming quality that many big phonographs give, on first hearing. The bigger your machine and the more bass it gives, the more vital to you are the higher tones. Hence also the surprisingly satisfactory sound of the small plastic table radio, which though entirely lacking in bass and lacking in most highs, too, achieves thereby a balance that may be musically false but is, for the ear, a good one.

It should be remembered that here is merely one of many subtle psychological factors in the hearing. Habit, familiarity (see SRL Dec. 27, 1947) are perhaps more decisive, though transitory and changeable. The juke box is a prize example of the dominance of habit-a gross imbalance, exaggerated bass, non-existent highs, that nevertheless, through familiarity, seem natural enough to many people. In the average table phonograph the opposite imbalance -weak bass, stronger highs-is as popular! We are nothing if not inconsistent. Moreover some highquality table models (the Piccadilly, SRL July 19, 1947) seem to defy the law by giving fine reproduction with a greatly extended high range and, theoretically, no additional bass to speak of. (Perhaps there is more bass than theory would allow?)

Few arguments will be settled by this factor. Too much else is involved. But it is important that those who judge "tone quality" for themselves should know of the basic and unchangeable illusions that our ears create from the sound waves that reach them. Here, definitely, is one type of illusion that any reader may investigate for himself.

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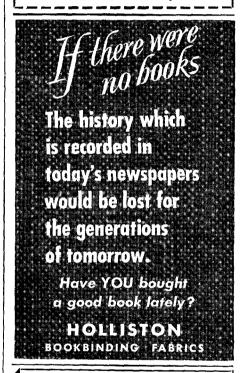
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